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ARS-44-149  
October 1964

D H I A  
SIRE SUMMARY LIST  
August 1964

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CURRENT SERIAL RECORDS

AYRSHIRE, GUERNSEY, HOLSTEIN, JERSEY, BROWN SWISS,  
MILKING SHORTHORN, RED DANE, RED POLL, AND  
MIXED BREED SIRES

Agricultural Research Service  
U. S. Department of Agriculture

The sire evaluations, as summarized in this list, are appraisals based on production performance information available through DHIA.

The contemporary herdmate comparisons used in the USDA-DHIA Sire Summaries are especially effective in reducing environmental influences arising from herd, year, and season of calving. The primary purpose of the summaries is to use daughter-herdmate differences as well as predicted averages in evaluating bulls on the basis of estimated breeding value or transmitting ability for milk and butterfat yield. While these evaluations represent the most reliable methods available, their usefulness in ranking bulls may be seriously limited, (1) when only 1 or few herds are represented in the summary, (2) when less than 15 to 25 daughters are represented in the summary, or (3) when daughter averages only are used. Under such conditions, it is especially important to supplement the sire summary with additional information from the herd(s) in which the daughters made their records. Under any circumstance, caution should be used in predicting results based on a single mating.

The sire summaries listed, and especially those representing initial or preliminary evaluations, should be supplemented with related and other information from the herd(s) in which the daughters are located. A personal evaluation of herd feeding and management conditions is highly desirable.

When a non-AI sire evaluation is based on 5 to 9 daughter-herdmate comparisons and an AI evaluation is based on 5 to 24 comparisons, these should be considered "preliminary."



## DHIA SIRE SUMMARY LIST AUGUST 1964

Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss, Milking Shorthorn, Red Dane, Red Poll, and Mixed Breed Sires

This DHIA Sire Summary List contains information for 212 Ayrshire, 1,090 Guernsey, 3,189 Holstein, 798 Jersey, 250 Brown Swiss, 79 Milking Shorthorn, 3 Red Dane, 1 Red Poll, and 2 Mixed Breed sires. These summaries were compiled from data received by the Animal Husbandry Research Division, ARS, up to August 1, 1964. A sire summary record is compiled for a sire when 5 or more of his daughters have lactation records reported. This report contains summaries for the following categories: (1) new summaries (5 or more progeny available for the first time), (2) all AI sires reported as in service during 1963, (3) sires with 50 percent or more additional daughters reported since last being summarized, and (4) sires for which special requests for summaries were received.

All production records used in sire summaries consist of lactation records of 305 days or less and standardized to a mature equivalent, twice-a-day milking basis. When more than one lactation is available for a cow, all records for both the daughter and her herdmates are averaged and used to represent her performance. All incomplete records, which are reported as terminated by (1) abortion, (2) culling for low production, or (3) sold for dairy purposes, are extended to a 305-day basis and used in compiling the sire summaries regardless of their length. Records which are deleted and not used for summaries include those coded as complete, but less than 180 days in length, and those estimated or initiated by abortion. However, incomplete records may not be included for cows which calved prior to 1959.

## EXPLANATION OF LISTED SIRE SUMMARIES

Summary data for the Guernsey sire 497411, Fairlawn Actor's Acme, listed on page 24, are as follows:

|                |                            |         |    |                  |     |        |     |     |       |       |     |  |  |  |  |  |  |  |  |
|----------------|----------------------------|---------|----|------------------|-----|--------|-----|-----|-------|-------|-----|--|--|--|--|--|--|--|--|
| 497411         | FAIRLAWN ACTOR-S ACME..... |         |    |                  |     |        |     |     |       |       |     |  |  |  |  |  |  |  |  |
| 05-29-52       | 322785                     | 1097431 | 52 | NON-AI DAUGHTERS | 127 | 10,002 | 4.6 | 456 |       |       |     |  |  |  |  |  |  |  |  |
| AI STUD, 23-02 | LISTED, 05-64              |         | 51 | WITH HERD-MATES  | 125 | 10,076 | 4.6 | 459 |       |       |     |  |  |  |  |  |  |  |  |
| STATES-        | 22,23,43,51,54,55,64       |         |    |                  |     |        |     |     | 15    | 9,332 | 435 |  |  |  |  |  |  |  |  |
|                |                            |         |    |                  |     |        |     |     | DIFF. | 744   | 24  |  |  |  |  |  |  |  |  |

To explain the sire summary above, Line 1 lists the registration number and name of the sire; Line 2 lists the birth date of the sire, the registration number of his sire, and the registration number of his dam. (When a bull is summarized for the first time his name, birth date, and registration numbers of his sire and dam are not available and, therefore, are not listed--to illustrate see Sire No. 500050 on page 25.) Pedigree information for each summarized sire is obtained from Herdbooks or the Breed Registry organization after the sire is summarized for the first time. This pedigree information is then included in the sire summary when the sire is retabulated.

"AI Stud, 23-02" (Line 3) indicates that this sire is in AI service even though only natural-service progeny were available for summary. "Listed 05-64" indicates that the bull was last summarized in May 1964. "States--22,23,43,51,54,55,64" (Line 4) indicates that daughters were available from the seven states coded 22,23,43,51,54,55, and 64. A list of State codes is given on page 4.

The sire's summary includes the records of 52 non-AI daughters with a total of 127 lactation records. Herdmate data were available for 51 of these daughters. The total 52 daughters had 127 records which averaged 10,002 pounds of milk, 4.6 percent butterfat, and 456 pounds of butterfat. Herdmate data were available for 125 records of 51 daughters, averaging 10,076 pounds of milk, 4.6 percent butterfat, and 459 pounds of butterfat. The 51 daughters had an average of 15 herdmates per daughter. The average production of these herdmates was 9,332 pounds of milk and 435 pounds of butterfat. On the average the sire's daughters produced 744 pounds more milk and 24 pounds more butterfat than did their herdmates. (Negative differences from herdmates are indicated by preceding minus signs.)

The sire summary for the Jersey sire 525627, Murray Royal Design Jeweler, listed on page 242, is as follows:

|                |                                  |         |     |                  |     |       |     |     |       |       |     |       |     |  |  |  |  |  |  |
|----------------|----------------------------------|---------|-----|------------------|-----|-------|-----|-----|-------|-------|-----|-------|-----|--|--|--|--|--|--|
| 525627         | MURRAY ROYAL DESIGN JEWELER..... |         |     |                  |     |       |     |     |       |       |     |       |     |  |  |  |  |  |  |
| 02-12-50       | 409653                           | 1565130 | 164 | AI DAUGHTERS-25* | 355 | 9,069 | 4.9 | 446 |       |       |     |       |     |  |  |  |  |  |  |
| AI STUD, 61-01 | LISTED, 05-64                    |         | 156 | WITH HERD-MATES  | 342 | 9,117 | 4.9 | 450 |       |       |     |       |     |  |  |  |  |  |  |
| STATES-        | 57,58,61,63,65,92                |         |     |                  |     |       |     |     | 18    | 8,273 | 420 | 8,862 | 444 |  |  |  |  |  |  |
|                |                                  |         | 34  | NON-AI DAUGHTERS | 113 | 9,218 | 4.8 | 441 |       |       |     |       |     |  |  |  |  |  |  |
|                |                                  |         | 30  | WITH HERD-MATES  | 105 | 9,149 | 4.8 | 435 |       |       |     |       |     |  |  |  |  |  |  |
|                |                                  |         |     |                  |     |       |     |     | DIFF. | 800   | 14  |       |     |  |  |  |  |  |  |

The above summary includes data for both AI and non-AI progeny. The AI stud in which the sire was located is indicated as "AI Stud 61-01" where the "61" indicates the State and the "01" indicates the stud within the State. On pages 3 and 4 are listed the AI studs by State and their respective code numbers.

This sire had 164 AI daughters reported with 355 records, and 156 of these daughters had herdmate data available. The "25\*" indicates that the 164 daughters were in more than 25 herds. If they had made records in 25 or less herds, the actual number of herds represented would have been printed. For example, the bull 531074, also on page 242, had 24 AI daughters in a total of 6 herds. The explanation of the other production and herdmate data is the same as for bull 497411.

In addition to the information presented for natural-service progeny, an additional measure of a sire's breeding worth is computed from the AI progeny data. This measure, listed under the heading "Predicted Average", can be used to compare AI sires which may have varying numbers of daughters occurring in different levels of herds, with respect to producing ability of the cows and to herd management conditions. This value is explained on the following page. Sire no. 525627 has a "Predicted Average" rating of 8,862 pounds of milk and 444 pounds of butterfat.

## USING THE SIRE SUMMARY DATA

The sire summary information pertains only to milk and butterfat production. When a non-AI sire evaluation is based on 5 to 9 daughter-herdmate comparisons and an AI evaluation is based on 5 to 24 comparisons, these should be considered "preliminary."

Preliminary evaluations should be considered only as an indication and not conclusive evidence of the breeding value of a sire. Aside from the number of records involved, the reliability of the preliminary evaluations may be lessened due to inclusion of abnormally high proportions of records of heifers culled for low production during first lactation. Such records are received earlier than complete records initiated at corresponding dates. In general, if the data are unselected, the greater the number of comparisons of daughters versus herdmates included in an evaluation, the more reliable the evidence of the sire's breeding value. However, if a non-AI summary contains 25 unselected comparisons and an AI evaluation contains 50-60 unselected comparisons, additional data do not greatly increase the accuracy of ranking the sires according to breeding value.

In the use of the daughter-herdmate procedure, the desirable sire is one which markedly increases the production of his daughters over that of their herdmates. This is because the sire's daughters and their herdmates had an equal opportunity to produce. The difference of the production of a sire's daughters and their herdmates is roughly the same from one level of herd production to another. Generally, a sire with a markedly negative daughter-herdmate comparison should not be expected to raise the production level of a herd.

These production data for the daughters and their herdmates should be supplemented by additional information gathered from the herd(s) in which the daughters made their records. A personal evaluation of the herd management and feeding conditions in a herd where a daughter or group of daughters made their records is highly desirable when evaluating a natural-service sire.



## CALCULATION OF USDA-DHIA SIRE SUMMARY DATA

The herdmate (or contemporary) comparison is useful because it removes from the evaluation of breeding value complications arising from herd, year, and season of freshening variations in production.

Herd-year-seasons are based upon a five-month moving average. The appropriate average for the daughter of the sire is obtained by averaging all records of daughters of other sires calving in the herd in the same month as the daughters, in the previous two months, and in the succeeding two months. For example, the herdmate average for a sire's daughter calving in March would be obtained by averaging the production of all cows, except her paternal sisters, calving in that herd from January through May. All comparisons included in these summaries are on a within-breed basis.

Because the usefulness of the herdmate average is dependent in part upon the number of herdmates available, the herdmates' production is adjusted to place the herdmate data of daughters on a more comparable basis. For each individual lactation of a sire's daughter, the herdmates' average is corrected as follows:

$$\text{Adj. Herdmate Av.} = \text{Breed Season Av.} + \frac{\text{No. Herdmates}}{\text{No. Herdmates} + 1} (\text{Herdmate Av.} - \text{Breed Season Av.})$$

The breed season averages are calculated from the nationwide 305-day-2X-ME DHIA lactation averages for cows of the breed in question calving in the years 1958-62. This is done for both milk and fat. If a daughter has several records, the Adjusted Herdmate Averages for all lactations are averaged.

Both natural-service sires and AI sires are summarized on the basis of the daughters' average minus the average of the Adjusted Herdmates' Averages. Under AI conditions, where a sire's daughters are scattered over many herds, additional adjustments can be made to the daughter-herdmate data to slightly increase the accuracy of comparing different sires used in AI. These procedures described here, as well as those for adjusting herdmate averages, follow those developed by C. R. Henderson and co-workers at Cornell University. The daughter-herdmate difference tends to decrease slightly algebraically as the production level of herds in which the bull is used increases. This is because those herds tend to have cows of somewhat higher producing ability. The following step adjusts for this phenomenon:

$$\text{Adj. Daughter Av.} = \text{Daughter Av.} - 0.9 (\text{Adj. Herdmate Av.} - \text{Breed Av.})$$

This step serves to increase (over the daughter-herdmate difference) the summary of a sire used in high-producing herds and to decrease the summary of an AI sire used in low-producing herds. The breed average production used is compiled from all DHIA cows of the breed calving from 1958-62 and is listed at the bottom of this page for each breed.

In order to compare bulls which have widely varying numbers of offspring, it is necessary to adjust the above value for each sire in accordance with the number of progeny available. The predicted average (predicted "breeding value") is calculated for the AI data of a sire as follows:

$$\text{Predicted Av.} = \text{Breed Av.} + \frac{\text{No. of daus.}}{\text{No. of daus.} + 12} (\text{Adj. Daughter Av.} - \text{Breed Av.})$$

This gives the final estimate of the breeding merit of an AI bull. With daughters scattered in many different herds, the reliability of this rating can approach maximum accuracy with a very large number of progeny. In contrast, where each bull's daughters are largely in a single herd, the accuracy of comparing sires is neither great nor materially enhanced by including more than 30 unselected progeny. The "Predicted Average" rating is an estimate of the average performance of many future daughters sired by the bull, where these progeny are unselected and scattered throughout all different types of herd-environmental conditions. The level is based upon nationwide DHIA conditions as a whole. The primary purpose of the "Predicted Average" evaluation is to compare or rank AI bulls as to estimated breeding value. It is the most reliable method currently available for this purpose. It is applicable to individual dairymen in their choice of AI sires since a given number of bulls will rank similarly in breeding value both within and throughout a large number of herds.

## DISTRIBUTION OF PREDICTED AVERAGE

In the Appendix are given tables indicating the variability in the Predicted Average for milk and fat for AI sires. Table 1 for each breed presents stratifications of the Predicted Average of milk production for the AI sires. The second table for each breed gives a similar breakdown on Predicted Average for fat production.

These tables provide a means of rating any particular AI sire with respect to all AI sires of that breed summarized at the same time. For example, suppose that a particular Holstein AI sire had a Predicted Average rating of 13,500. In the Appendix table for Holsteins (milk production) we find that of the 644 Holstein AI sires summarized, 97 percent had a Predicted Average for milk production which was less than that of the sire we are considering (13,500). This means that, if we choose a Holstein AI sire with no regard to production, we have one chance in thirty-three of picking a sire genetically equal to or better than this bull.

## DHIA 305-2X-ME BREED AVERAGES (1958-62)

| Breed             | Milk   | Fat |
|-------------------|--------|-----|
| Ayrshire          | 9,732  | 395 |
| Guernsey          | 8,609  | 411 |
| Holstein          | 12,471 | 455 |
| Jersey            | 8,066  | 416 |
| Brown Swiss       | 10,922 | 447 |
| Milking Shorthorn | 8,607  | 330 |
| Red Dane          | 9,512  | 380 |
| Red Poll          | 7,642  | 312 |
| Other             | 9,744  | 417 |

## ARTIFICIAL-INSEMINATION ORGANIZATIONS IN THE UNITED STATES

OHIA SIRE SUMMARY RECORDS, OF SIRE IN AI SERVICE, INDICATE BY CODE NUMBER THE LAST AI ORGANIZATION OWNING THE SIRE. FOLLOWING IS A COMPLETE LIST OF AI ORGANIZATIONS THAT HAVE OPERATED IN THE UNITED STATES--ACCORDING TO REPORTS RECEIVED IN THE ANIMAL HUSBANDRY RESEARCH DIVISION. SOME NO LONGER EXIST, BUT SIRE IN SUCH ORGANIZATIONS MAY BE SUMMARIZED, IN WHICH CASE REFERENCE WILL BE MADE TO THE ORGANIZATION IN THE SIRE SUMMARY DATA.

| STATE         |      |      | ORGANIZATION  |  | STATE        |      |      | ORGANIZATION   |  |
|---------------|------|------|---|--|--------------|------|------|--|--|
| NAME          | CODE | CODE | NAME  |  | NAME         | CODE | CODE | NAME   |  |
| MAINE         | 11   | 01   | *MAINE BREEDING COOPERATIVE, INC.<br>RFD #1, AUGUSTA                              |  | ILLINOIS     | 33   | 05   | EASTERN STEPHENSON ABA   |  |
| MAINE         | 11   | 02   | ANDROSCOGGIN VALLEY ABA   |  | ILLINOIS     | 33   | 06   | INTER COUNTY ABA   |  |
| MAINE         | 11   | 03   | ANDROSCOGGIN VALLEY & CENTRAL<br>MAINE ABA  |  | ILLINOIS     | 33   | 07   | SHELBY COUNTY ABA  |  |
| MAINE         | 11   | 04   | CENTRAL MAINE ABA   |  | ILLINOIS     | 33   | 08   | TRI COUNTY ABA   |  |
|               |      |      |   |  | ILLINOIS     | 33   | 09   | AMERICAN DAIRY GUERNSEY ABA                                    |  |
| NEW HAMPSHIRE | 12   | 01   | NEW HAMPSHIRE ABA   |  | MICHIGAN     | 34   | 01   | *MICHIGAN ABC, INC., P. O. BOX<br>511, EAST LANSING            |  |
| NEW HAMPSHIRE | 12   | 02   | WILLOW SPRING ABA   |  | MICHIGAN     | 34   | D2   | ZEELAND ABA  |  |
| NEW HAMPSHIRE | 12   | 03   | *NEW HAMPSHIRE-VERMONT BREEDING<br>ASSOCIATION, BOX 350, CONCORD                  |  | MICHIGAN     | 34   | 03   | NORTH KENT ABA   |  |
|               |      |      |   |  | MICHIGAN     | 34   | 04   | GRAND VALLEY ABA   |  |
|               |      |      |   |  | MICHIGAN     | 34   | 05   | HILLSOLE ABA   |  |
| VERMONT       | 13   | 01   | CENTRAL VERMONT ABA   |  | WISCONSIN    | 35   | D1   | *ASSOCIATED BREEDING SERVICE,<br>LENA                          |  |
| VERMONT       | 13   | 02   | VERMONT CO-OP. ABA, INC.  |  | WISCONSIN    | 35   | 02   | *BAOGER BREEDERS COOPERATIVE,<br>P. O. BOX 25, SHAWANO         |  |
| VERMONT       | 13   | 03   | AGRI. EXPERIMENTAL STATION ABA  |  | WISCONSIN    | 35   | 03   | *EAST CENTRAL BREEDERS ASSN.<br>CO-OP., P. O. BOX 191, WAUPUN  |  |
| MASSACHUSETTS | 14   | 01   | MASSACHUSETTS ABA, INC.   |  | WISCONSIN    | 35   | 04   | *PIPER BROTHERS FARMS, INC.,<br>RT. 4, WATERTOWN               |  |
| MASSACHUSETTS | 14   | 02   | BRISTOL CO. FARM BUREAU INC. ABA  |  | WISCONSIN    | 35   | 05   | *TRI-STATE BREEDERS CO-OP.,<br>WESTBY                          |  |
| RHODE ISLAND  | 15   | 01   | RHODE ISLAND CO-OP. ABA, INC.   |  | WISCONSIN    | 35   | 06   | SOUTHERN WISCONSIN CO-OP. ABA                                  |  |
| CONNECTICUT   | 16   | D1   | CONNECTICUT ABA, INC.   |  | WISCONSIN    | 35   | 07   | CLINTON STOCK FARM ABA, INC.                                   |  |
| CONNECTICUT   | 16   | 02   | FAIRFIELD-NEW HAVEN ABA   |  | WISCONSIN    | 35   | 08   | DANE CO-OP. ABA  |  |
| CONNECTICUT   | 16   | 03   | LITCHFIELD COUNTY ABA   |  | WISCONSIN    | 35   | 09   | DANE IOWA CO-OP. ABA   |  |
| CONNECTICUT   | 16   | 04   | *NEW ENGLAND SELECTIVE BREEDING<br>ASSOCIATION, INC., NEWTON ROAD,<br>WOODBRIIDGE |  | WISCONSIN    | 35   | 10   | POLK COUNTY CO-OP. ABA   |  |
|               |      |      |   |  | WISCONSIN    | 35   | 11   | ROCK COUNTY ABA  |  |
| NEW YORK      | 21   | 01   | *NEW YORK ABC, INC., JUDD FALLS<br>ROAD, ITHACA 14850                             |  | WISCONSIN    | 35   | 12   | TREMPEALEAU CO-OP. ABA   |  |
| NEW YORK      | 21   | 02   | BROOME TIOGA CO-OP. ABA, INC.   |  | WISCONSIN    | 35   | 13   | TRI COUNTY ABA   |  |
| NEW YORK      | 21   | 03   | BROOME CO-OP. ABA, INC.   |  | WISCONSIN    | 35   | 14   | UNIVERSITY OF WISCONSIN ABA                                    |  |
| NEW YORK      | 21   | 04   | CORTLAND ABA, INC.  |  | WISCONSIN    | 35   | 15   | VERNON COUNTY CO-OP. ABA                                       |  |
| NEW YORK      | 21   | 05   | ROUNDOUT ABA  |  | WISCONSIN    | 35   | 16   | WISCONSIN EXPERIMENTAL BREEDING<br>PROJECT                     |  |
| NEW YORK      | 21   | 06   | SENECA CO-OP. ABA, INC.   |  | WISCONSIN    | 35   | 18   | CENTRAL WISCONSIN CO-OP. ABA                                   |  |
| NEW YORK      | 21   | 07   | SULLIVAN COUNTY ABA   |  | WISCONSIN    | 35   | 19   | LANGLAKE COUNTY ABA  |  |
|               |      |      |   |  | WISCONSIN    | 35   | 20   | CLARK COUNTY ABA   |  |
| NEW JERSEY    | 22   | 01   | SUSSEX CO-OP. BREEDING ASSN.,<br>INC.   |  | WISCONSIN    | 35   | 75   | *AMERICAN BREEDERS SERVICE, INC.,<br>P. O. BOX 3143, MADISON 4 |  |
| NEW JERSEY    | 22   | 03   | *NEW JERSEY COOPERATIVE BREEDERS<br>ASSN., INC., ANNANDALE OBBDI                  |  | MINNESOTA    | 41   | D1   | *MINNESOTA VALLEY BREEDERS ASSN.,<br>NEW PRAGUE                |  |
| NEW JERSEY    | 22   | 04   | MORRIS CO. CO-OP. ABA, INC.   |  | MINNESOTA    | 41   | 02   | MINNESOTA VALLEY & SOUTHERN<br>MINNESOTA ABA                   |  |
| NEW JERSEY    | 22   | 05   | NEW JERSEY EXPERIMENT STATION<br>ABA  |  | MINNESOTA    | 41   | D3   | NORTHWEST MINNESOTA ABA  |  |
| NEW JERSEY    | 22   | 06   | PLAINSBORE ABA  |  | MINNESOTA    | 41   | 04   | CONSOLIDATED BREEDERS CO-OP.                                   |  |
| NEW JERSEY    | 22   | 07   | BURLINGTON COUNTY ABA   |  | MINNESOTA    | 41   | 05   | BARNUM ABA   |  |
| NEW JERSEY    | 22   | 08   | WALKER-GORDON ABA   |  | MINNESOTA    | 41   | 06   | CENTRAL MINNESOTA ABA  |  |
| PENNSYLVANIA  | 23   | 01   | *ZIMMERMAN DAIRY FARM, RT. 2,<br>LEHIGHTON  |  | MINNESOTA    | 41   | D7   | FLOODWOOD CO-OP. ABA   |  |
| PENNSYLVANIA  | 23   | 02   | *FIRST PA. ARTIFICIAL BREEDING<br>COOPERATIVE, RT. 1, LEWISBURG                   |  | MINNESOTA    | 41   | 08   | NORTH MINNESOTA ABA  |  |
| PENNSYLVANIA  | 23   | 03   | CLARION COUNTY ABA  |  | MINNESOTA    | 41   | 10   | ROSEAU COUNTY CREAMERIES ABA                                   |  |
| PENNSYLVANIA  | 23   | 04   | *NEPA ARTIFICIAL BREEDING COOPER-<br>ATIVE, P.O. BOX 26, TUNKHANNOCK              |  | MINNESOTA    | 41   | 11   | TILNEY FARMS ABA   |  |
| PENNSYLVANIA  | 23   | D5   | *WESTERN PA. ABC, BOX 550,<br>CLARION   |  | MINNESOTA    | 41   | 12   | VILLARD CO-OP. ABA   |  |
| PENNSYLVANIA  | 23   | 06   | GOLDEN GENES ABA, INC.  |  | MINNESOTA    | 41   | 13   | WEST ST. LOUIS COUNTY ABA                                      |  |
| PENNSYLVANIA  | 23   | 07   | *LEHIGH VALLEY CO-OP. FARMERS,<br>RT. 1, ALLENTOWN                                |  | MINNESOTA    | 41   | 14   | LAND O-LAKES CREAMERIES, INC.<br>ABA                           |  |
| PENNSYLVANIA  | 23   | 08   | *SOUTHEASTERN PA. ABC, BOX 254,<br>LANCASTER                                      |  | MINNESOTA    | 41   | 16   | WATONWAN TRUMAN CO-OP. CREAMERY                                |  |
| PENNSYLVANIA  | 23   | 09   | *ATLANTIC BREEDERS COOPERATIVE,<br>P. O. BOX 254, LANCASTER                       |  | MINNESOTA    | 41   | 17   | SOUTHERN MINNESOTA BREEDING<br>FEDERATION                      |  |
| OHIO          | 31   | 01   | *CENTRAL OHIO BREEDING ASSOCIA-<br>TION, 1224 ALTON-DARBY ROAD,<br>COLUMBUS 43204 |  | MINNESOTA    | 41   | 18   | SWINK AB CORP.   |  |
| OHIO          | 31   | 02   | *NOBA, INC., P. O. BOX 1015,<br>TIFFIN  |  | MINNESOTA    | 41   | 19   | AITKIN COUNTY ABA  |  |
| OHIO          | 31   | 03   | TRUMBULL-ASHTABULA ABA  |  | MINNESOTA    | 41   | 20   | FRIENOLY VALLEY ABA  |  |
| OHIO          | 31   | 04   | WESTERN OHIO ABA  |  | MINNESOTA    | 41   | 21   | NORTH ST. LOUIS COUNTY ABA                                     |  |
| OHIO          | 31   | 05   | NORTHEAST OHIO CO-OP. ABA   |  | MINNESOTA    | 41   | 22   | PINE COUNTY ABA  |  |
| OHIO          | 31   | 06   | NORTHWEST OHIO ABA  |  | MINNESOTA    | 41   | 25   | *MIDWEST GENES, INC., BOX 111,<br>ANOKA                        |  |
| INDIANA       | 32   | 02   | *JOHN A. NEWMAN & SONS, R. R. 2,<br>BOX 21, CULVER                                |  | IOWA         | 42   | D1   | NORTHWEST IOWA CO-OP. ABA                                      |  |
| INDIANA       | 32   | D3   | ELKHART COUNTY ABA  |  | IOWA         | 42   | D2   | *EASTERN IOWA BREEDERS, HIAWATHA                               |  |
| INDIANA       | 32   | D4   | HARRISON ABA  |  | IOWA         | 42   | D3   | IOWA DAIRY GENETICS, INC.                                      |  |
| INDIANA       | 32   | 05   | INDIANA ABA   |  | IOWA         | 42   | D4   | HUMBOLT CO-OP. ABA   |  |
| INDIANA       | 32   | 06   | INDIANA STATE INSTITUTIONS ABA  |  | IOWA         | 42   | 05   | LINN COUNTY CO-OP. ABA   |  |
| INDIANA       | 32   | D7   | LAPORTE CO-OP. ABA, INC.  |  | IOWA         | 42   | 06   | NORTH IOWA CO-OP. ABA  |  |
| INDIANA       | 32   | 08   | HARRY ROSENBURY ABA   |  | IOWA         | 42   | 07   | WESTERN IOWA ABA   |  |
| INDIANA       | 32   | D9   | ROSS FARM ABA   |  | IOWA         | 42   | 08   | IOWA BREEDERS CO-OP.   |  |
| INDIANA       | 32   | 10   | WALTER H. BALL ABA  |  | IOWA         | 42   | 09   | PALO ALTO CO-OP. ABA   |  |
| INDIANA       | 32   | 11   | TOPEKA ABA  |  | IOWA         | 42   | 10   | CRAWFORD COUNTY ABA  |  |
| INDIANA       | 32   | 12   | BOTTEMA FARMS ABA   |  | MISSOURI     | 43   | D1   | EAST MISSOURI ABA  |  |
| INDIANA       | 32   | 13   | INDIANAPOLIS CO-OP. ABA   |  | MISSOURI     | 43   | 02   | M. F. A. ABA   |  |
| INDIANA       | 32   | 14   | PRODUCERS CREAMERY ABA  |  | MISSOURI     | 43   | 03   | MIO WEST ABA   |  |
| INDIANA       | 32   | 15   | STUEBEN ABA   |  | MISSOURI     | 43   | D4   | MISSOURI DAIRY BREEDERS ABA                                    |  |
| INDIANA       | 32   | 16   | NORTH BENTON-NEWTON-JASPER ABA  |  | MISSOURI     | 43   | D5   | SOUTHWEST MISSOURI ABA   |  |
| INDIANA       | 32   | 18   | SOUTHERN INDIANA ABA  |  | MISSOURI     | 43   | 06   | TRENTON ABA  |  |
|               |      |      |   |  | MISSOURI     | 43   | 08   | OSAGE FARMS ABA  |  |
|               |      |      |   |  | MISSOURI     | 43   | 09   | AVA ABA  |  |
| ILLINOIS      | 33   | 01   | *NORTHERN ILLINOIS BREEDING<br>CO-OP., RT. 1, HAMPSHIRE                           |  | SOUTH DAKOTA | 46   | 01   | SOUTH DAKOTA CO-OP. ABA  |  |
| ILLINOIS      | 33   | 02   | *SOUTHERN ILLINOIS BREEDING<br>ASSOCIATION, BREESE                                |  | NEBRASKA     | 47   | 01   | NEBRASKA DAIRY BREEDERS  |  |
| ILLINOIS      | 33   | D3   | *CURTISS BREEDING SERVICE, INC.,<br>CARY  |  | NEBRASKA     | 47   | 03   | DOUGLAS CO-OP. ABA   |  |
| ILLINOIS      | 33   | D4   | CENTRAL ILLINOIS ABA  |  | NEBRASKA     | 47   | 04   | LANCASTER NON-STOCK CO-OP. DAIRY<br>ABA, INC.                  |  |
|               |      |      |   |  | NEBRASKA     | 47   | D5   | NORFOLK NON-STOCK CO-OP. ABA                                   |  |
|               |      |      |   |  | NEBRASKA     | 47   | D6   | UNIVERSITY OF NEBRASKA ABA                                     |  |
|               |      |      |   |  | NEBRASKA     | 47   | D7   | DAIRY BREEDERS ENTERPRISE ABA                                  |  |
|               |      |      |   |  | NEBRASKA     | 47   | D9   | CENTRAL NEBR. NON-STOCK CO-OP.<br>ABA, INC.                    |  |

\*INDICATES THOSE AI ORGANIZATIONS REPORTED IN OPERATION JANUARY 1, 1964.



| STATE          |      |      | ORGANIZATION  |  | STATE       |      |      | ORGANIZATION  |  |
|----------------|------|------|---|--|-------------|------|------|---|--|
| NAME           | CODE | CODE | NAME  |  | NAME        | CODE | CODE | NAME  |  |
| KANSAS         | 4B   | 01   | *KANSAS ABS UNIT, KANSAS STATE UNIVERSITY, MANHATTAN                                  |  | TEXAS       | 74   | 02   | NRTH TEXAS ABA  |  |
|                |      |      |   |  | TEXAS       | 74   | 03   | TEXAS TECH ABA  |  |
| DELAWARE       | 50   | 01   | DELAWARE CO-OP. ABA, INC.   |  | TEXAS       | 74   | 04   | NRTH STAR ABA   |  |
| DELAWARE       | 50   | 02   | NEW CASTLE CO-OP. ABA   |  | TEXAS       | 74   | 05   | RID VISTA ABA   |  |
| MARYLAND       | 51   | 01   | MARYLAND CO-OP. ABA, INC.   |  | TEXAS       | 74   | 07   | MUENSTER ABA  |  |
| MARYLAND       | 51   | 02   | *MARYLAND-WEST VIRGINIA BULL STUD INC., P. O. BOX 555, FREDERICK                      |  | TEXAS       | 74   | 08   | HILL COUNTY ABA   |  |
|                |      |      |   |  | TEXAS       | 74   | 09   | CAMERON COUNTY ABA  |  |
| VIRGINIA       | 52   | 01   | *VIRGINIA ABA, INC., P. O. BOX 391, ROCKY MOUNT                                       |  | MDNTANA     | B1   | 01   | WESTERN MDNTANA ABA   |  |
| VIRGINIA       | 52   | 02   | FRANKLIN COUNTY ABA, INC.   |  | IDAHO       | B2   | 01   | BLUFFVIEW FARM ABA  |  |
| VIRGINIA       | 52   | 03   | LOUDOUN COUNTY ABA, INC.  |  | IDAHO       | B2   | 02   | SHAMROCK ABA  |  |
| VIRGINIA       | 52   | 04   | PULASKI CO-OP. ABA  |  | IDAHO       | B2   | 03   | NEW PLYMOUTH ABA  |  |
| VIRGINIA       | 52   | 05   | VALLEY OF VIRGINIA CO-OP. ABA, INC.   |  | COLORADO    | B4   | 01   | *COLORADO STATE UNIVERSITY ABS, 809 CITY PARK AVE. FORT COLLINS     |  |
| VIRGINIA       | 52   | 06   | NORTH VIRGINIA CO-OP. ABA, INC.   |  | COLORADO    | B4   | 02   | NORTH CENTRAL COLORADO ABA  |  |
| VIRGINIA       | 52   | 07   | SOUTHEAST VIRGINIA ABA, INC.  |  | COLORADO    | B4   | 03   | WILLOW SPRINGS ABA  |  |
| VIRGINIA       | 52   | 08   | BLUE RIDGE ABA, INC.  |  | COLORADO    | B4   | 04   | BROCKRIDGE FARM DAIRY ABA   |  |
| VIRGINIA       | 52   | 09   | SHENANDOAH VALLEY ABA   |  | COLORADO    | B4   | 05   | SURFACE CREEK ABA   |  |
| VIRGINIA       | 52   | 10   | CULPEPER ABA, INC.  |  | NEW MEXICO  | B5   | 01   | NEW MEXICO ABA  |  |
| WEST VIRGINIA  | 54   | 01   | WEST VIRGINIA CO-OP. ABA  |  | ARIZONA     | B6   | 01   | ARIZONA ABA   |  |
| NORTH CAROLINA | 55   | 01   | *N.C. INSTITUTIONAL BREEDING ASSN., DEPT. ANIMAL SCIENCE, N.C. STATE COLLEGE, RALEIGH |  | ARIZONA     | B6   | 02   | EADS CATTLE BREEDING SERVICE  |  |
| NRTH CAROLINA  | 55   | 02   | NORTH CAROLINA STATE COLLEGE ABA  |  | ARIZONA     | B6   | 03   | NEWS ABA  |  |
| NRTH CAROLINA  | 55   | 03   | SOUTHEASTERN ABA  |  | UTAH        | B7   | 01   | *CACHE VALLEY BREEDING ASSN., 1950 NORTH MAIN, LOGAN 84321          |  |
| NORTH CAROLINA | 55   | 04   | FORSYTH COUNTY ABA  |  | UTAH        | B7   | 02   | WEBER COUNTY ABA  |  |
| SOUTH CAROLINA | 56   | 01   | CLEMSON COLLEGE ABA   |  | WASHINGTON  | 91   | 01   | *EVERGREEN NORTHWEST BREEDERS, INC., P. O. BOX 197, BURLINGTON      |  |
| SOUTH CAROLINA | 56   | 02   | CHESTER CO-OP. ABA  |  | WASHINGTON  | 91   | 02   | COLVILLE VALLEY ABA   |  |
| SOUTH CAROLINA | 56   | 03   | SOUTH CAROLINA CO-OP. ABA   |  | WASHINGTON  | 91   | 03   | MT. RAINIER ABA   |  |
| FLORIDA        | 58   | 01   | BROWARD COUNTY ABA  |  | WASHINGTON  | 91   | 04   | WALLA WALLA VALLEY CO-OP. ABA                                       |  |
| KENTUCKY       | 61   | 01   | *KENTUCKY ARTIFICIAL BREEDING ASSOCIATION, 1930 HERR LANE, LOUISVILLE 22              |  | WASHINGTON  | 91   | 05   | NORTHWEST CO-OP. ABA  |  |
|                |      |      |   |  | WASHINGTON  | 91   | 06   | NORTHEAST CO-OP. ABA  |  |
| TENNESSEE      | 63   | 01   | *EAST TENNESSEE ABA, RT. 10, TIPTON STATION ROAD, KNOXVILLE                           |  | WASHINGTON  | 91   | 07   | ED. P. PETERSON ABA   |  |
| TENNESSEE      | 63   | 02   | *TENNESSEE ARTIFICIAL BREEDING ASSOCIATION, RT. 2, GRANNY WHITE PIKE, BRENTWOOD       |  | WASHINGTON  | 91   | 08   | CLARK COUNTY ABA  |  |
| TENNESSEE      | 63   | 03   | *WEST TENNESSEE ARTIFICIAL BREEDING ASSOCIATION, BOX 3B, YORKVILLE                    |  | WASHINGTON  | 91   | 09   | FARWEST ABA   |  |
| TENNESSEE      | 63   | 04   | MAURY-WILLIAMSON ABA, INC.  |  | WASHINGTON  | 91   | 10   | *W. DE JONGS SUPREME BULL SERVICE RT. 1, MONROE                     |  |
| ALABAMA        | 64   | 01   | ALABAMA ABA   |  | WASHINGTON  | 91   | 13   | *ALL-WEST BREEDERS, BOX 197, BURLINGTON                             |  |
| ALABAMA        | 64   | 02   | MARSHALL COUNTY ABA   |  | DREGON      | 92   | 01   | *OREGON BREEDERS ASSOCIATION, P. O. BOX 4B, CORVALLIS               |  |
| MISSISSIPPI    | 65   | 01   | HINDS RANKIN ABA  |  | DREGON      | 92   | 02   | MULTNOMAH ABA   |  |
| MISSISSIPPI    | 65   | 02   | *MISSISSIPPI ABC, BOX 354, STATE COLLEGE  |  | DREGON      | 92   | 03   | YAMHILL COUNTY ABA  |  |
| MISSISSIPPI    | 65   | 03   | PIKE CO-OP. ABA   |  | CALIFORNIA  | 93   | 01   | *CALIFORNIA DAIRY BREEDERS, INC., P. O. BOX 188, DAVIS              |  |
| MISSISSIPPI    | 65   | 04   | TUPELO ABA  |  | CALIFORNIA  | 93   | 02   | *ADOHR FARMS INSEMINATING SERVICE P. O. BOX 88, CAMARILLO, 93110    |  |
| MISSISSIPPI    | 65   | 05   | SOUTH MISSISSIPPI CO-OP. ABA  |  | CALIFORNIA  | 93   | 03   | *EXCELSIOR BREEDING SERVICE, 7401 ADAMS, RT. 1, CORONA              |  |
| MISSISSIPPI    | 65   | 06   | MID SOUTH ABA   |  | CALIFORNIA  | 93   | 04   | GOLDEN WEST ABA, INC.   |  |
| MISSISSIPPI    | 65   | 07   | TIPPAH COUNTY FAIR AND LIVESTOCK ABA  |  | CALIFORNIA  | 93   | 05   | *JESSUP BREEDERS, 5471 SAN FERNANDO ROAD, W. GLENDALE 3             |  |
| MISSISSIPPI    | 65   | 08   | NDXUBEE COUNTY ABA  |  | CALIFORNIA  | 93   | 06   | SANTA CLARA ABA   |  |
| ARKANSAS       | 71   | 01   | ARKANSAS DAIRY BREEDERS ASSN.   |  | CALIFORNIA  | 93   | 07   | SAN PASCUAL ABA, INC.   |  |
| LOUISIANA      | 72   | 01   | *LSU DAIRY IMPROVEMENT CENTER, BOX B. D., LSU, BATON ROUGE                            |  | CALIFORNIA  | 93   | 08   | SONOMA MARIN CO-OP. ABA, INC.                                       |  |
| LOUISIANA      | 72   | 02   | NORTHERN LOUISIANA JERSEY ABA   |  | CALIFORNIA  | 93   | 09   | TULARE CO-OP. ABA   |  |
| OKLAHOMA       | 73   | 01   | EASTERN OKLAHOMA ABA  |  | CALIFORNIA  | 93   | 10   | *PACIFIC BREEDERS CO-OP., INC., 1464 MIDDLE TWD ROCK ROAD, PETALUMA |  |
| OKLAHOMA       | 73   | 02   | NORTHWESTERN OKLAHOMA ABA   |  | CALIFORNIA  | 93   | 11   | SACRAMENTO CO-OP. ABA   |  |
| OKLAHOMA       | 73   | 03   | OKLAHOMA DAIRY BREEDERS ABA   |  | PUERTO RICO | 94   | 01   | *PUERTO RICO ARTIFICIAL BREEDING ASSN., P. O. BOX 95B, DORADO       |  |
| TEXAS          | 74   | 01   | *TEXAS A & M DAIRY BREEDING CENTER, DAIRY SCIENCE DEPT., COLLEGE STATION              |  | HAWAII      | 95   | 01   | WAIMEA DAIRY ABA  |  |
|                |      |      |   |  | HAWAII      | 95   | 02   | MOANALUA DAIRY LTD. ABA   |  |
|                |      |      |   |  | HAWAII      | 95   | 03   | HALEAKALA RANCH DAIRY FARM, MAKAWAO, MAUI                           |  |
|                |      |      |   |  | ALASKA      | 96   | 01   | *MATANUSKA VALLEY BREEDERS ASSN., PALMER                            |  |

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| S T A T E C O D E S |               |    |                | S T A T E C O D E S |                |    |             |
|---------------------|---------------|----|----------------|---------------------|----------------|----|-------------|
| 11                  | MAINE         | 35 | WISCONSIN      | 56                  | SOUTH CAROLINA | 83 | WYOMING     |
| 12                  | NEW HAMPSHIRE | 41 | MINNESOTA      | 57                  | GEORGIA        | 84 | COLORADO    |
| 13                  | VERMONT       | 42 | IOWA           | 58                  | FLORIDA        | 85 | NEW MEXICO  |
| 14                  | MASSACHUSETTS | 43 | MISSOURI       | 61                  | KENTUCKY       | 86 | ARIZONA     |
| 15                  | RHODE ISLAND  | 45 | NORTH DAKOTA   | 63                  | TENNESSEE      | 87 | UTAH        |
| 16                  | CONNECTICUT   | 46 | SOUTH DAKOTA   | 64                  | ALABAMA        | 88 | NEVADA      |
| 21                  | NEW YORK      | 47 | NEBRASKA       | 65                  | MISSISSIPPI    | 91 | WASHINGTON  |
| 22                  | NEW JERSEY    | 48 | KANSAS         | 71                  | ARKANSAS       | 92 | OREGON      |
| 23                  | PENNSYLVANIA  | 50 | DELAWARE       | 72                  | LOUISIANA      | 93 | CALIFORNIA  |
| 31                  | OHIO          | 51 | MARYLAND       | 73                  | OKLAHOMA       | 94 | PUERTO RICO |
| 32                  | INDIANA       | 52 | VIRGINIA       | 74                  | TEXAS          | 95 | HAWAII      |
| 33                  | ILLINOIS      | 54 | WEST VIRGINIA  | 81                  | MTNTANA        | 96 | ALASKA      |
| 34                  | MICHIGAN      | 55 | NORTH CAROLINA | 82                  | IDAHO          |    |             |

| SIRE OF OHIA DAUGHTERS         |                                |                 |      | AV. PRODUCTION OF OAU. |      |      |     | AOJ. HERO-MATES AV. |        |     | PREDICTED AV. |     |
|--------------------------------|--------------------------------|-----------------|------|------------------------|------|------|-----|---------------------|--------|-----|---------------|-----|
| AYRSHIRE                       |                                |                 |      | RECORDS                | MILK | TEST | FAT | NUMBER              | MILK   | FAT | MILK          | FAT |
|                                |                                |                 |      | NUMBER                 | L8   | %    | L8  |                     | L8     | L8  | L8            | L8  |
| 81791                          | .....                          |                 |      |                        |      |      |     |                     |        |     |               |     |
| AI STUO, 31-02                 | 9                              | AI DAUGHTERS-02 | 18   | 9,535                  | 4.0  | 385  |     |                     |        |     |               |     |
| STATES- 31,34                  | 2                              | WITH HERD-MATES | 9    | 12,827                 | 3.9  | 497  |     | 9                   | 9,775  | 393 | 10,160        | 410 |
|                                |                                |                 |      |                        |      |      |     | OIFF.               | 3052   | 104 |               |     |
| 84570                          | BLACKWOOD WAR 8EAU.....        |                 |      |                        |      |      |     |                     |        |     |               |     |
| 04-25-46                       | 73684                          | 266250          | 14   | 9,789                  | 4.2  | 416  |     |                     |        |     |               |     |
| AI STUO, 23-07                 | LISTEO, 08-62                  | 11              | 11   | 9,841                  | 4.2  | 416  |     | 14                  | 10,255 | 426 | 9,562         | 392 |
| STATES- 14,21,23,51,52,55,57,  |                                |                 |      |                        |      |      |     | OIFF.               | 414-   | 10- |               |     |
| 58,74                          |                                | 114             | 328  | 10,344                 | 4.2  | 436  |     | 26                  | 10,587 | 438 |               |     |
|                                |                                | 95              | 281  | 10,375                 | 4.2  | 434  |     | OIFF.               | 212-   | 4-  |               |     |
| 88351                          | BROWN PRINCE OF WINOROW.....   |                 |      |                        |      |      |     |                     |        |     |               |     |
| 01-09-47                       | 63633                          | 172598          | 13   | 11,064                 | 4.0  | 444  |     |                     |        |     |               |     |
| AI STUO, 34-01                 |                                | 11              | 14   | 11,161                 | 4.0  | 443  |     | 8                   | 11,386 | 466 | 9,704         | 387 |
| STATES- 31,32,34,51            |                                |                 |      |                        |      |      |     | DIFF.               | 225-   | 23- |               |     |
|                                |                                | 26              | 73   | 10,259                 | 3.9  | 402  |     | 9                   | 10,255 | 411 |               |     |
|                                |                                | 4               | 14   | 10,238                 | 3.9  | 399  |     | OIFF.               | 17-    | 12- |               |     |
| 91961                          | MACDONALD BONOSMAN.....        |                 |      |                        |      |      |     |                     |        |     |               |     |
| 08-09-45                       | 72160                          | 010211582       | 8    | 9,366                  | 3.8  | 360  |     |                     |        |     |               |     |
| STATES- 14,21,23,42            |                                | 5               | 19   | 9,085                  | 3.8  | 341  |     | 8                   | 9,531  | 378 |               |     |
|                                |                                |                 |      |                        |      |      |     | OIFF.               | 446-   | 37- |               |     |
| 92562                          | SCOTCH HAVEN THORN MAN.....    |                 |      |                        |      |      |     |                     |        |     |               |     |
| 01-24-48                       | 66191                          | 264483          | 65   | 10,221                 | 4.1  | 416  |     |                     |        |     |               |     |
| AI STUO, 51-02                 | LISTEO, 05-64                  | 55              | 104  | 10,450                 | 4.1  | 426  |     | 15                  | 9,978  | 409 | 10,140        | 410 |
| STATES- 16,31,51,52,54,63,65   |                                |                 |      |                        |      |      |     | OIFF.               | 472    | 17  |               |     |
|                                |                                | 24              | 48   | 10,355                 | 4.1  | 420  |     |                     |        |     |               |     |
| 94562                          | NETHER CRAIG BALANCE, IMP..... |                 |      |                        |      |      |     |                     |        |     |               |     |
| 10-03-47                       | 94556                          | 379131          | 45   | 9,441                  | 4.1  | 383  |     |                     |        |     |               |     |
| AI STUO, 31-01                 |                                | 38              | 86   | 9,379                  | 4.1  | 382  |     | 11                  | 9,654  | 384 | 9,517         | 393 |
| STATES- 21,23,31,32,33,34,51,  |                                |                 |      |                        |      |      |     | OIFF.               | 275-   | 2-  |               |     |
| 55,61,64,82,91,92,93           |                                | 49              | 105  | 9,225                  | 4.0  | 373  |     | 9                   | 9,562  | 386 |               |     |
|                                |                                | 12              | 40   | 9,485                  | 4.1  | 387  |     | OIFF.               | 77-    | 1   |               |     |
| 94852                          | FAIR MEADOWS FIREBRAND.....    |                 |      |                        |      |      |     |                     |        |     |               |     |
| 09-24-47                       | 78308                          | 293930          | 439  | 9,860                  | 4.0  | 397  |     |                     |        |     |               |     |
| AI STUO, 31-01                 | LISTEO, 03-64                  | 384             | 706  | 9,793                  | 4.0  | 393  |     | 9                   | 9,814  | 395 | 9,720         | 393 |
| STATES- 11,12,21,22,23,31,32,  |                                |                 |      |                        |      |      |     | OIFF.               | 21-    | 2-  |               |     |
| 33,35,42,51,55,56,57,58,63,64, |                                | 44              | 231  | 11,071                 | 4.0  | 443  |     | 9                   | 10,382 | 427 |               |     |
| 65,73,74,84,91,92              |                                | 31              | 179  | 10,442                 | 4.0  | 417  |     | OIFF.               | 60     | 10- |               |     |
| 96189                          | TOLL GATE COLONEL 808.....     |                 |      |                        |      |      |     |                     |        |     |               |     |
| 02-10-49                       | 72686                          | 269615          | 269  | 10,417                 | 4.1  | 426  |     |                     |        |     |               |     |
| AI STUO, 31-01                 | LISTEO, 05-64                  | 264             | 380  | 10,452                 | 4.1  | 427  |     | 10                  | 9,977  | 399 | 10,206        | 422 |
| STATES- 21,22,23,31,32,33,35,  |                                |                 |      |                        |      |      |     | OIFF.               | 475    | 28  |               |     |
| 41,42,51,55,57,64,65,74,84     |                                | 34              | 78   | 12,575                 | 4.0  | 498  |     | 11                  | 9,113  | 373 |               |     |
|                                |                                | 3               | 5    | 8,830                  | 4.0  | 351  |     | OIFF.               | 283-   | 22- |               |     |
| 96565                          | .....                          |                 |      |                        |      |      |     |                     |        |     |               |     |
| STATES- 14,21,41               |                                | 5               | 7    | 8,908                  | 4.3  | 380  |     |                     |        |     |               |     |
|                                |                                | 3               | 4    | 8,795                  | 4.3  | 381  |     | 6                   | 9,375  | 384 |               |     |
|                                |                                |                 |      |                        |      |      |     | OIFF.               | 580-   | 3-  |               |     |
| 97558                          | VISTA GRANDE MEREOTH.....      |                 |      |                        |      |      |     |                     |        |     |               |     |
| 04-08-49                       | 79374                          | 183584          | 21   | 9,785                  | 4.3  | 421  |     |                     |        |     |               |     |
| STATES- 21                     |                                | 2               | 4    | 8,617                  | 4.1  | 355  |     | 3                   | 9,189  | 361 |               |     |
|                                |                                |                 |      |                        |      |      |     | OIFF.               | 572-   | 6-  |               |     |
| 99237                          | MAY BOMBER-S SCOTTY.....       |                 |      |                        |      |      |     |                     |        |     |               |     |
| 10-18-49                       | 92182                          | 363181          | 12   | 8,015                  | 4.2  | 339  |     |                     |        |     |               |     |
| STATES- 31,32,57,58            |                                | 9               | 13   | 8,354                  | 4.3  | 356  |     | 10                  | 9,053  | 370 |               |     |
|                                |                                |                 |      |                        |      |      |     | OIFF.               | 699-   | 14- |               |     |
| 100619                         | .....                          |                 |      |                        |      |      |     |                     |        |     |               |     |
| STATES- 21                     |                                | 5               | 7    | 10,275                 | 4.0  | 407  |     |                     |        |     |               |     |
|                                |                                | 5               | 6    | 10,517                 | 3.9  | 415  |     | 10                  | 9,179  | 373 |               |     |
|                                |                                |                 |      |                        |      |      |     | OIFF.               | 1338   | 42  |               |     |
| 101527                         | MEREOTH PREDICTION.....        |                 |      |                        |      |      |     |                     |        |     |               |     |
| 06-14-50                       | 79374                          | 296863          | 943  | 10,682                 | 4.1  | 439  |     |                     |        |     |               |     |
| AI STUO, 21-01                 | LISTEO, 05-64                  | 900             | 1822 | 10,690                 | 4.1  | 439  |     | 15                  | 10,393 | 418 | 10,088        | 418 |
| STATES- 11,12,13,14,15,16,21,  |                                |                 |      |                        |      |      |     | DIFF.               | 297    | 21  |               |     |
| 22,23,34,41,42,48,51,52,54,55, |                                |                 |      |                        |      |      |     |                     |        |     |               |     |
| 57,58,64,65,73,74,91           |                                |                 |      |                        |      |      |     |                     |        |     |               |     |
| 102091                         | LANEWAY MAGICIAN.....          |                 |      |                        |      |      |     |                     |        |     |               |     |
| D1-08-50                       | 82620                          | 230908          | 133  | 10,725                 | 4.2  | 454  |     |                     |        |     |               |     |
| AI STUO, 16-04                 | LISTEO, 05-64                  | 130             | 191  | 10,791                 | 4.2  | 457  |     | 17                  | 10,214 | 421 | 10,301        | 430 |
| STATES- 11,12,13,14,15,16,21,  |                                |                 |      |                        |      |      |     | OIFF.               | 577    | 36  |               |     |
| 35,52                          |                                | 21              | 36   | 9,047                  | 4.2  | 378  |     | 2                   | 8,767  | 345 |               |     |
|                                |                                | 15              | 20   | 9,074                  | 4.1  | 372  |     | OIFF.               | 307    | 27  |               |     |
| 102416                         | .....                          |                 |      |                        |      |      |     |                     |        |     |               |     |
| STATES- 14,33,42,57            |                                | 5               | 11   | 9,659                  | 3.8  | 365  |     |                     |        |     |               |     |
|                                |                                | 4               | 9    | 9,958                  | 3.7  | 370  |     | 17                  | 9,300  | 354 |               |     |
|                                |                                |                 |      |                        |      |      |     | OIFF.               | 658    | 16  |               |     |
| 103195                         | .....                          |                 |      |                        |      |      |     |                     |        |     |               |     |
| STATES- 41                     |                                | 5               | 7    | 9,149                  | 3.7  | 340  |     |                     |        |     |               |     |
|                                |                                | 5               | 7    | 9,149                  | 3.7  | 340  |     | 5                   | 9,146  | 365 |               |     |
|                                |                                |                 |      |                        |      |      |     | OIFF.               | 3      | 25- |               |     |
| 103230                         | .....                          |                 |      |                        |      |      |     |                     |        |     |               |     |
| AI STUO, 23-04                 |                                | 33              | 88   | 9,224                  | 3.9  | 360  |     |                     |        |     |               |     |
| STATES- 14,21,23               |                                | 31              | 85   | 9,255                  | 3.9  | 360  |     | 14                  | 9,348  | 393 | 9,638         | 378 |
|                                |                                |                 |      |                        |      |      |     | OIFF.               | 93-    | 23- |               |     |
|                                |                                | 15              | 58   | 10,611                 | 4.1  | 440  |     |                     |        |     |               |     |
|                                |                                | 14              | 57   | 10,618                 | 4.1  | 437  |     | 11                  | 9,511  | 406 |               |     |
|                                |                                |                 |      |                        |      |      |     | OIFF.               | 1107   | 31  |               |     |

SIRES OF OHIA DAUGHTERS

| SIRE OF CHIA DAUGHTER                                |  |  |  | AV. RECORDS | PRODUCTION MILK L8 | OF TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|--|--|--|--|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| AYRSHIRE   |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 1D3310 .....   |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 2 AI DAUGHTERS-02                                    |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 1 WITH HERD-MATES                                    |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 3 NON-AI DAUGHTERS                                   |  |  |  | 5           | 9,6D9              | 3.9       | 372         |                 |                    |            |                   |            |
| 3 WITH HERD-MATES                                    |  |  |  | 4           | 9,477              | 3.9       | 365         | 11              | 9,644              | 379        |                   |            |
|  |  |  |  |             |                    |           |             | DIFF.           | 167-               | 14-        |                   |            |
| 1D3949 GLENGARRY FANCY 80Y, IMP.....                 |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| D8-29-49 76451 435251 22D AI DAUGHTERS-25*           |  |  |  | 252         | 1D,969             | 4.0       | 434         |                 |                    |            |                   |            |
| AI STUD, 31-D1 LISTED, D5-64 212 WITH HERD-MATES     |  |  |  | 241         | 1D,924             | 4.0       | 432         | 12              | 1D,695             | 43D        | 1D,038            | 40D        |
| STATES- 12,14,15,21,22,23,31, 28 NON-AI DAUGHTERS    |  |  |  | 89          | 11,696             | 4.2       | 486         | DIFF.           | 229                | 2          |                   |            |
| 32,33,35,41,42,48,51,52,54,55, 26 WITH HERD-MATES    |  |  |  | 83          | 11,9D8             | 4.2       | 496         | 6               | 11,D56             | 459        |                   |            |
|  |  |  |  |             |                    |           |             | DIFF.           | 852                | 37         |                   |            |
| 104237 OAK RIDGE ORACLE.....                         |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 11-D7-50 934D2 38D421 2D AI DAUGHTERS-11             |  |  |  | 2D          | 9,868              | 4.0       | 398         |                 |                    |            |                   |            |
| AI STUD, 35-75 LISTED, D5-64 18 WITH HERD-MATES      |  |  |  | 18          | 9,917              | 4.0       | 4D1         | 17              | 1D,374             | 409        | 9,496             | 391        |
| STATES- 33,35,42,48,55,87,91, 35 NON-AI DAUGHTERS    |  |  |  | 62          | 1D,325             | 4.2       | 431         | DIFF.           | 457-               | 8-         |                   |            |
| 92,93 9 WITH HERD-MATES                              |  |  |  | 13          | 8,843              | 3.9       | 343         | 22              | 9,360              | 366        |                   |            |
|  |  |  |  |             |                    |           |             | DIFF.           | 517-               | 23-        |                   |            |
| 1D5167 SANDY SPRINGS BETTER KING.....                |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 12-22-5D 67D7D 36D142 21 NON-AI DAUGHTERS            |  |  |  | 53          | 1D,594             | 4.3       | 46D         |                 |                    |            |                   |            |
| STATES- 13,14,21 18 WITH HERD-MATES                  |  |  |  | 49          | 1D,756             | 4.4       | 473         | 26              | 1D,D46             | 423        |                   |            |
|  |  |  |  |             |                    |           |             | DIFF.           | 71D                | 5D         |                   |            |
| 1D5273 SNOWBALL LASSIE-S CHAMPION.....               |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| D2-08-51 988D7 256673 8 NON-AI DAUGHTERS             |  |  |  | 19          | 9,026              | 4.0       | 359         |                 |                    |            |                   |            |
| STATES- 51,52 6 WITH HERD-MATES                      |  |  |  | 17          | 9,288              | 3.9       | 364         | 5               | 9,865              | 4D6        |                   |            |
|  |  |  |  |             |                    |           |             | DIFF.           | 577-               | 42-        |                   |            |
| 1D6D97 .....   |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 5 NON-AI DAUGHTERS                                   |  |  |  | 5           | 8,084              | 4.2       | 343         |                 |                    |            |                   |            |
| STATES- 55,57 4 WITH HERD-MATES                      |  |  |  | 4           | 8,133              | 4.2       | 343         | 6               | 8,959              | 349        |                   |            |
|  |  |  |  |             |                    |           |             | DIFF.           | 826-               | 6-         |                   |            |
| 106285 AYR-LINE MODISH GUY.....                      |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 08-D8-51 9864D 39D648 84 AI DAUGHTERS-25*            |  |  |  | 91          | 11,466             | 4.2       | 483         |                 |                    |            |                   |            |
| AI STUD, 48-D1 LISTED, D5-64 82 WITH HERD-MATES      |  |  |  | 87          | 11,555             | 4.2       | 488         | 12              | 1D,681             | 439        | 1D,575            | 441        |
| STATES- 13,21,33,41,42,46,47, 53 NON-AI DAUGHTERS    |  |  |  | 111         | 9,574              | 4.2       | 399         | DIFF.           | 874                | 49         |                   |            |
| 48,54,73,74,91 45 WITH HERD-MATES                    |  |  |  | 95          | 9,727              | 4.2       | 407         | 13              | 9,83D              | 401        |                   |            |
|  |  |  |  |             |                    |           |             | DIFF.           | 1D3-               | 6          |                   |            |
| 1D6751 CASTLE BRAE GAY BLEND.....                    |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 12-23-51 86433 3816D9 9 NON-AI DAUGHTERS             |  |  |  | 19          | 9,173              | 4.1       | 375         |                 |                    |            |                   |            |
| STATES- 12 8 WITH HERD-MATES                         |  |  |  | 18          | 9,675              | 4.1       | 397         | 19              | 1D,53D             | 431        |                   |            |
|  |  |  |  |             |                    |           |             | DIFF.           | 855-               | 34-        |                   |            |
| 1D6928 TOLL GATE SKY PILOT.....                      |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 01-24-52 94065 322552 22 NON-AI DAUGHTERS            |  |  |  | 3D          | 11,342             | 3.9       | 437         |                 |                    |            |                   |            |
| STATES- 13,14,16,21 LISTED, D8-63 22 WITH HERD-MATES |  |  |  | 30          | 11,342             | 3.9       | 437         | 17              | 9,989              | 399        |                   |            |
|  |  |  |  |             |                    |           |             | DIFF.           | 1353               | 38         |                   |            |
| 1D7744 MACKAYR SUPER 80Y.....                        |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| D3-D6-52 1D3949 272366 11 NON-AI DAUGHTERS           |  |  |  | 34          | 9,376              | 3.8       | 358         |                 |                    |            |                   |            |
| STATES- 33 11 WITH HERD-MATES                        |  |  |  | 31          | 9,4D5              | 3.8       | 358         | 7               | 9,D78              | 357        |                   |            |
|  |  |  |  |             |                    |           |             | OIFF.           | 327                | 1          |                   |            |
| 1D7749 .....   |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 5 NON-AI DAUGHTERS                                   |  |  |  | 5           | 8,692              | 3.8       | 331         |                 |                    |            |                   |            |
| STATES- 61 5 WITH HERD-MATES                         |  |  |  | 5           | 8,692              | 3.8       | 331         | 6               | 8,131              | 32D        |                   |            |
|  |  |  |  |             |                    |           |             | DIFF.           | 561                | 11         |                   |            |
| 1D7772 WOODEOGE ASA.....                             |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 07-14-51 59666 363343 2D NON-AI DAUGHTERS            |  |  |  | 43          | 1D,821             | 4.1       | 44D         |                 |                    |            |                   |            |
| STATES- 51 2D WITH HERD-MATES                        |  |  |  | 43          | 1D,821             | 4.1       | 44D         | 16              | 1D,988             | 446        |                   |            |
|  |  |  |  |             |                    |           |             | DIFF.           | 167-               | 6-         |                   |            |
| 1D781D REIDINA CORSAIR.....                          |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 01-D5-52 5895D 401562 1D5 AI DAUGHTERS-25*           |  |  |  | 114         | 1D,7D4             | 4.4       | 473         |                 |                    |            |                   |            |
| AI STUD, 23-D8 LISTED, D5-64 104 WITH HERD-MATES     |  |  |  | 112         | 1D,715             | 4.4       | 473         | 14              | 1D,2DD             | 426        | 1D,232            | 44D        |
| STATES- 21,22,23,31,5D,51,52 3D NON-AI DAUGHTERS     |  |  |  | 72          | 1D,448             | 4.5       | 469         | DIFF.           | 515                | 47         |                   |            |
|  |  |  |  | 68          | 1D,622             | 4.5       | 477         | 14              | 11,311             | 491        |                   |            |
|  |  |  |  |             |                    |           |             | OIFF.           | 689-               | 14-        |                   |            |
| 1D7841 VISTA GRANOE PEDRO.....                       |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 04-04-52 91586 385958 27 AI DAUGHTERS-19             |  |  |  | 47          | 9,341              | 4.0       | 377         |                 |                    |            |                   |            |
| AI STUD, 41-D1 LISTED, D5-64 15 WITH HERD-MATES      |  |  |  | 32          | 9,834              | 3.9       | 387         | 1D              | 9,717              | 4D6        | 9,796             | 385        |
| STATES- 41,45,46 7 NON-AI DAUGHTERS                  |  |  |  | 11          | 8,441              | 4.2       | 357         | DIFF.           | 117                | 19-        |                   |            |
|  |  |  |  | 7           | 8,441              | 4.2       | 357         | 7               | 9,2D7              | 378        |                   |            |
|  |  |  |  |             |                    |           |             | OIFF.           | 766-               | 21-        |                   |            |
| 1D7868 VISTA GRANDE OFFICER.....                     |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 11-22-51 92424 36994D 32 AI DAUGHTERS-25*            |  |  |  | 37          | 1D,D18             | 4.1       | 413         |                 |                    |            |                   |            |
| AI STUD, 21-01 LISTED, D5-64 3D WITH HERD-MATES      |  |  |  | 34          | 1D,184             | 4.1       | 418         | 17              | 11,27D             | 45D        | 9,D7D             | 376        |
| STATES- 13,14,16,21,23,33,41, 65 7 NON-AI DAUGHTERS  |  |  |  | 11          | 13,855             | 4.3       | 598         | DIFF.           | 1D86-              | 32-        |                   |            |
|  |  |  |  | 6           | 14,129             | 4.3       | 614         | 11              | 11,183             | 473        |                   |            |
|  |  |  |  |             |                    |           |             | DIFF.           | 2946               | 141        |                   |            |
| 1D7957 BLOSSOM-S PANCHO.....                         |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 04-D2-52 63147 3D4258 71 AI DAUGHTERS-25*            |  |  |  | 76          | 9,629              | 4.2       | 4DD         |                 |                    |            |                   |            |
| AI STUD, 12-D3 LISTED, D5-64 7D WITH HERD-MATES      |  |  |  | 75          | 9,622              | 4.2       | 4DD         | 14              | 1D,2D6             | 418        | 9,276             | 381        |
| STATES- 11,12,13,14,16,35 34 NON-AI DAUGHTERS        |  |  |  | 1D1         | 11,285             | 4.3       | 487         | OIFF.           | 584-               | 18-        |                   |            |
|  |  |  |  | 32          | 11,363             | 4.3       | 489         | 14              | 11,D41             | 464        |                   |            |
|  |  |  |  |             |                    |           |             | DIFF.           | 322                | 25         |                   |            |



## SIREs OF OHIA DAUGHTERS

## AYRSHIRE

|                |                                  |        |     | AV. PRODUCTION OF DAU. |      |        |     | ADJ. HERD-MATES AV. |       |        | PREDICTED AV. |            |
|----------------|----------------------------------|--------|-----|------------------------|------|--------|-----|---------------------|-------|--------|---------------|------------|
|                |                                  |        |     | REC'DROS               | MILK | TEST   | FAT | NUMBER              | MILK  | FAT    | MILK          | FAT        |
|                |                                  |        |     | NUMBER                 | LB   | %      | LB  |                     | LB    | LB     | LB            | LB         |
| 108196         | STRATHGLASS LOYAL PILD.          |        |     |                        |      |        |     |                     |       |        |               |            |
| 09-09-52       | 7645Q                            | 270024 | 11  | NDN-AI DAUGHTERS       | 14   | 10,335 | 4.2 | 429                 |       |        |               |            |
|                | LISTED, 03-64                    |        | 11  | WITH HERD-MATES        | 14   | 10,335 | 4.2 | 429                 | 15    | 11,168 | 462           |            |
| STATES-        | 81                               |        |     |                        |      |        |     |                     | DIFF. | 833-   | 33-           |            |
| 108549         |                                  |        |     |                        |      |        |     |                     |       |        |               |            |
|                |                                  |        | 29  | NDN-AI DAUGHTERS       | 62   | 9,347  | 3.7 | 347                 |       |        |               |            |
| STATES-        | 48                               |        | 29  | WITH HERD-MATES        | 62   | 9,347  | 3.7 | 347                 | 9     | 8,886  | 332           |            |
|                |                                  |        |     |                        |      |        |     |                     | DIFF. | 461    | 15            |            |
| 109060         | WINORDW STORMY-S CLASSIC.        |        |     |                        |      |        |     |                     |       |        |               |            |
| 10-24-52       | 84158                            | 402247 | 35  | AI DAUGHTERS-14        | 51   | 10,457 | 4.3 | 453                 |       |        |               |            |
| AI STUD, 23-07 | LISTED, 08-63                    |        | 34  | WITH HERD-MATES        | 49   | 10,559 | 4.3 | 459                 | 12    | 10,127 | 418           | 10,076 426 |
| STATES-        | 22,23                            |        |     |                        |      |        |     |                     | DIFF. | 432    | 41            |            |
|                |                                  |        | 20  | NDN-AI DAUGHTERS       | 53   | 10,242 | 4.2 | 428                 | 15    | 9,233  | 384           |            |
|                |                                  |        | 19  | WITH HERD-MATES        | 52   | 10,294 | 4.2 | 429                 | DIFF. | 1061   | 45            |            |
| 109104         | WDDDHULL JOLLY PRINCE.           |        |     |                        |      |        |     |                     |       |        |               |            |
| 01-05-53       | 77392                            | 307458 | 20  | NDN-AI DAUGHTERS       | 36   | 10,265 | 4.0 | 409                 |       |        |               |            |
|                | LISTED, 08-62                    |        | 19  | WITH HERD-MATES        | 34   | 10,337 | 4.0 | 410                 | 12    | 10,087 | 412           |            |
| STATES-        | 82,91,92                         |        |     |                        |      |        |     |                     | DIFF. | 250    | 2-            |            |
| 109256         | REIOINA DDOUBLE DDN.             |        |     |                        |      |        |     |                     |       |        |               |            |
| 07-06-51       | 83283                            | 275754 | 117 | AI DAUGHTERS-25*       | 126  | 10,757 | 4.4 | 469                 |       |        |               |            |
| AI STUD, 23-08 | LISTED, 05-64                    |        | 113 | WITH HERD-MATES        | 121  | 10,805 | 4.4 | 471                 | 15    | 10,350 | 429           | 10,197 436 |
| STATES-        | 21,23,31,35,50,51,52,57,74       |        |     |                        |      |        |     |                     | DIFF. | 455    | 42            |            |
|                |                                  |        | 61  | NDN-AI DAUGHTERS       | 156  | 11,245 | 4.4 | 498                 | 29    | 10,884 | 457           |            |
|                |                                  |        | 57  | WITH HERD-MATES        | 149  | 11,233 | 4.4 | 499                 | DIFF. | 349    | 42            |            |
| 109667         | BLACKWDDO MARQUIS.               |        |     |                        |      |        |     |                     |       |        |               |            |
| 12-07-52       | 95443                            | 331369 | 19  | AI DAUGHTERS-13        | 20   | 9,863  | 4.1 | 406                 |       |        |               |            |
| AI STUD, 23-07 | LISTED, 03-64                    |        | 18  | WITH HERD-MATES        | 19   | 9,898  | 4.1 | 405                 | 9     | 10,459 | 434           | 9,439 380  |
| STATES-        | 21,23                            |        |     |                        |      |        |     |                     | DIFF. | 561-   | 29-           |            |
|                |                                  |        | 21  | NON-AI DAUGHTERS       | 60   | 10,653 | 4.3 | 455                 | 14    | 10,537 | 443           |            |
|                |                                  |        | 20  | WITH HERD-MATES        | 57   | 10,545 | 4.3 | 450                 | DIFF. | 8      | 7             |            |
| 109668         | BLACKWDDO LANOLDRO.              |        |     |                        |      |        |     |                     |       |        |               |            |
| 01-01-53       | 95443                            | 248003 | 27  | AI DAUGHTERS-18        | 36   | 9,647  | 4.1 | 397                 |       |        |               |            |
| AI STUD, 51-02 | LISTED, 03-64                    |        | 22  | WITH HERD-MATES        | 28   | 9,618  | 4.1 | 395                 | 15    | 9,961  | 406           | 9,527 389  |
| STATES-        | 51,52,54,63                      |        |     |                        |      |        |     |                     | DIFF. | 343-   | 11-           |            |
| 109774         |                                  |        |     |                        |      |        |     |                     |       |        |               |            |
|                |                                  |        | 5   | NDN-AI DAUGHTERS       | 9    | 9,149  | 4.1 | 378                 |       |        |               |            |
| STATES-        | 23,51,52                         |        | 5   | WITH HERD-MATES        | 8    | 8,930  | 4.1 | 367                 | 12    | 9,430  | 390           |            |
|                |                                  |        |     |                        |      |        |     |                     | DIFF. | 500-   | 23-           |            |
| 110400         | MEADWD LAND STDRMY.              |        |     |                        |      |        |     |                     |       |        |               |            |
| 01-05-53       | 89633                            | 355035 | 79  | NDN-AI DAUGHTERS       | 134  | 9,178  | 3.6 | 330                 |       |        |               |            |
|                | LISTED, 08-63                    |        | 79  | WITH HERD-MATES        | 134  | 9,178  | 3.6 | 330                 | 81    | 8,816  | 311           |            |
| STATES-        | 92                               |        |     |                        |      |        |     |                     | DIFF. | 362    | 19            |            |
| 110432         | WDDDHULL HARMONY PRINCE.         |        |     |                        |      |        |     |                     |       |        |               |            |
| 05-17-53       | 77392                            | 249276 | 4   | AI DAUGHTERS-03        |      |        |     |                     |       |        |               |            |
| AI STUD, 41-01 | LISTED, 05-64                    |        | 3   | WITH HERD-MATES        |      |        |     |                     |       |        |               |            |
| STATES-        | 41,46                            |        |     |                        |      |        |     |                     |       |        |               |            |
|                |                                  |        | 15  | NDN-AI DAUGHTERS       | 52   | 10,835 | 4.1 | 446                 | 12    | 10,664 | 442           |            |
|                |                                  |        | 15  | WITH HERD-MATES        | 52   | 10,835 | 4.1 | 446                 | DIFF. | 171    | 4             |            |
| 110474         | RIVERMDDR BLUEJAY.               |        |     |                        |      |        |     |                     |       |        |               |            |
| 04-12-52       | 92825                            | 391414 | 8   | NDN-AI DAUGHTERS       | 12   | 7,105  | 4.3 | 303                 |       |        |               |            |
|                | LISTED, 03-64                    |        | 8   | WITH HERD-MATES        | 10   | 7,047  | 4.3 | 301                 | 13    | 7,334  | 305           |            |
| STATES-        | 91                               |        |     |                        |      |        |     |                     | DIFF. | 287-   | 4-            |            |
| 110572         | CAERLAVERDCK PRDSPERTY.          |        |     |                        |      |        |     |                     |       |        |               |            |
| 08-02-53       | 79374                            | 380170 | 23  | NDN-AI DAUGHTERS       | 30   | 10,693 | 4.2 | 452                 |       |        |               |            |
|                | LISTED, 08-62                    |        | 23  | WITH HERD-MATES        | 30   | 10,693 | 4.2 | 452                 | 23    | 10,632 | 452           |            |
| STATES-        | 16,23,51                         |        |     |                        |      |        |     |                     | DIFF. | 61     |               |            |
| 110598         | MEREIOITH VICTOR.                |        |     |                        |      |        |     |                     |       |        |               |            |
| 08-16-53       | 93672                            | 360015 | 17  | NDN-AI DAUGHTERS       | 23   | 9,650  | 3.9 | 380                 |       |        |               |            |
|                | LISTED, 08-63                    |        | 17  | WITH HERD-MATES        | 23   | 9,650  | 3.9 | 380                 | 10    | 9,561  | 386           |            |
| STATES-        | 14                               |        |     |                        |      |        |     |                     | DIFF. | 89     | 6-            |            |
| 110671         | VISTA GRANDE NAPPY.              |        |     |                        |      |        |     |                     |       |        |               |            |
| 03-23-53       | 104343                           | 388436 | 3   | AI DAUGHTERS-03        |      |        |     |                     |       |        |               |            |
| AI STUD, 33-03 | LISTED, 05-64                    |        | 1   | WITH HERD-MATES        |      |        |     |                     |       |        |               |            |
| STATES-        | 14,23,42,55                      |        |     |                        |      |        |     |                     |       |        |               |            |
|                |                                  |        | 14  | NDN-AI DAUGHTERS       | 46   | 13,171 | 4.2 | 549                 | 13    | 11,311 | 470           |            |
|                |                                  |        | 14  | WITH HERD-MATES        | 45   | 13,166 | 4.2 | 549                 | DIFF. | 1855   | 79            |            |
| 110758         | TOLL GATE CLASSIC.               |        |     |                        |      |        |     |                     |       |        |               |            |
| 03-07-53       | 94065                            | 211975 | 234 | AI DAUGHTERS-25*       | 359  | 10,248 | 4.1 | 423                 |       |        |               |            |
| AI STUD, 21-01 | LISTED, 08-63                    |        | 224 | WITH HERD-MATES        | 345  | 10,370 | 4.1 | 428                 | 15    | 10,582 | 426           | 9,613 400  |
| STATES-        | 11,12,13,14,16,21,23,41,42,52    |        |     |                        |      |        |     |                     | DIFF. | 212-   | 2             |            |
| 110902         | CURTISS CANDY IVANHOE LARRY.     |        |     |                        |      |        |     |                     |       |        |               |            |
| 08-27-53       | 86779                            | 383511 | 29  | AI DAUGHTERS-21        | 67   | 9,165  | 4.0 | 367                 |       |        |               |            |
| AI STUD, 33-03 | LISTED, 08-62                    |        | 28  | WITH HERD-MATES        | 61   | 9,131  | 4.0 | 363                 | 12    | 9,448  | 378           | 9,490 383  |
| STATES-        | 11,13,21,23,31,32,34,35,42,50,61 |        |     |                        |      |        |     |                     | DIFF. | 317-   | 15-           |            |
| 111011         | WINDROW GLDRY-S PRIDE.           |        |     |                        |      |        |     |                     |       |        |               |            |
| 06-30-53       | 100488                           | 329845 | 13  | AI DAUGHTERS-07        | 17   | 12,439 | 4.1 | 507                 |       |        |               |            |
| AI STUD, 34-01 | LISTED, 05-64                    |        | 10  | WITH HERD-MATES        | 13   | 12,010 | 4.0 | 480                 | 11    | 10,866 | 458           | 10,298 408 |
| STATES-        | 34                               |        |     |                        |      |        |     |                     | DIFF. | 1144   | 22            |            |
|                |                                  |        | 18  | NON-AI DAUGHTERS       | 46   | 11,964 | 4.1 | 489                 | 5     | 11,658 | 483           |            |
|                |                                  |        | 17  | WITH HERD-MATES        | 45   | 12,060 | 4.1 | 492                 | DIFF. | 402    | 9             |            |



SIRES DF OHIA DAUGHTERS

| SIRIES OF CHIA DAUGHTERS |  |               |     |                  | AV.     | PRODUCTION DF |      | OAU. |  | ADJ.   | HERD-MATES | AV. | PREDICTED |     | AV. |
|--------------------------|--|---------------|-----|------------------|---------|---------------|------|------|--|--------|------------|-----|-----------|-----|-----|
| AYRSHIRE                 |  |               |     |                  | RECDRDS | MILK          | TEST | FAT  |  | NUMBER | MILK       | FAT | MILK      | FAT |     |
|                          |  |               |     |                  | NUMBER  | L8            | %    | L8   |  |        | L8         | L8  | L8        | L8  |     |
| 111209                   | VISTA GRANDE ROYALTY.....                  |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 11-03-53                 | 104344                                     | 388435        | 47  | NDN-AI OAGHTERS  | 99      | 9,937         | 4.0  | 398  |  |        |            |     |           |     |     |
| AI STUD,                 | 23-05                                      | LISTED, 05-64 | 45  | WITH HERD-MATES  | 94      | 10,073        | 4.0  | 402  |  | 19     | 10,475     | 428 |           |     |     |
| STATES-                  | 12,13,14,16,21,23,42                       |               |     |                  |         |               |      |      |  | DIFF.  | 402-       | 26- |           |     |     |
| 112025                   | CARNELL SAFE APPROVAL, IMP.....            |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 05-18-53                 | 112023                                     | 500643        | 119 | AI DAUGHTERS-25* | 242     | 10,269        | 4.1  | 424  |  |        |            |     |           |     |     |
| AI STUD,                 | 23-07                                      | LISTED, 08-63 | 113 | WITH HERD-MATES  | 228     | 10,369        | 4.1  | 428  |  | 9      | 10,006     | 414 | 10,083    | 409 |     |
| STATES-                  | 16,21,23,51,54,57,65                       |               |     |                  |         |               |      |      |  | DIFF.  | 363        | 14  |           |     |     |
| 112056                   | MEREDITH PRINCE TOPPER.....                |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 05-04-53                 | 92746                                      | 224831        | 32  | NDN-AI OAGHTERS  | 81      | 9,519         | 4.1  | 389  |  |        |            |     |           |     |     |
|                          |  | LISTED, 08-62 | 32  | WITH HERD-MATES  | 81      | 9,519         | 4.1  | 389  |  | 9      | 9,610      | 383 |           |     |     |
| STATES-                  | 12,14                                      |               |     |                  |         |               |      |      |  | DIFF.  | 91-        | 6   |           |     |     |
| 112512                   | .....                                      |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
|                          |  |               | 5   | NDN-AI OAGHTERS  | 6       | 11,261        | 4.1  | 458  |  |        |            |     |           |     |     |
| STATES-                  | 51   |               | 5   | WITH HERD-MATES  | 6       | 11,261        | 4.1  | 458  |  | 19     | 10,460     | 422 |           |     |     |
|                          |  |               |     |                  |         |               |      |      |  | OIFF.  | 801        | 36  |           |     |     |
| 112575                   | WINORDW SIXTY GRAND.....                   |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 02-14-54                 | 84158                                      | 294020        | 11  | AI DAUGHTERS-10  | 11      | 9,485         | 4.1  | 385  |  |        |            |     |           |     |     |
| AI STUD,                 | 31-01                                      | LISTED, 05-64 | 8   | WITH HERD-MATES  | 8       | 10,951        | 4.0  | 440  |  | 6      | 11,406     | 476 | 9,617     | 384 |     |
| STATES-                  | 21,23,31,33,35,41,42,<br>46,51,55,58,65,74 |               |     |                  |         |               |      |      |  | DIFF.  | 455-       | 36- |           |     |     |
|                          |  |               | 25  | NON-AI OAGHTERS  | 41      | 12,184        | 4.2  | 506  |  |        |            |     |           |     |     |
|                          |  |               | 21  | WITH HERD-MATES  | 36      | 11,793        | 4.2  | 493  |  | 14     | 10,604     | 437 |           |     |     |
|                          |  |               |     |                  |         |               |      |      |  | OIFF.  | 1189       | 56  |           |     |     |
| 112576                   | .....                                      |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
|                          |  |               | 5   | NDN-AI OAGHTERS  | 5       | 10,746        | 4.4  | 475  |  |        |            |     |           |     |     |
| STATES-                  | 31,61                                      |               | 2   | WITH HERD-MATES  | 2       | 11,700        | 4.2  | 496  |  | 4      | 9,681      | 398 |           |     |     |
|                          |  |               |     |                  |         |               |      |      |  | DIFF.  | 2019       | 98  |           |     |     |
| 112617                   | ELMKNDWL SAMPSON.....                      |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 06-11-54                 | 106192                                     | 285305        | 23  | NDN-AI OAGHTERS  | 43      | 10,300        | 4.3  | 442  |  |        |            |     |           |     |     |
|                          |  | LISTED, 01-63 | 23  | WITH HERD-MATES  | 43      | 10,300        | 4.3  | 442  |  | 13     | 10,804     | 454 |           |     |     |
| STATES-                  | 15   |               |     |                  |         |               |      |      |  | DIFF.  | 504-       | 12- |           |     |     |
| 113106                   | BLACKWOOD WAR PRINCE.....                  |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 09-19-54                 | 105681                                     | 376851        | 22  | NDN-AI OAGHTERS  | 25      | 10,157        | 4.5  | 455  |  |        |            |     |           |     |     |
|                          |  | LISTED, 03-64 | 22  | WITH HERD-MATES  | 25      | 10,157        | 4.5  | 455  |  | 14     | 10,869     | 464 |           |     |     |
| STATES-                  | 23,51,52                                   |               |     |                  |         |               |      |      |  | DIFF.  | 712-       | 9-  |           |     |     |
| 113153                   | CRAIGFOOT MAN D-WAR.....                   |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 08-16-54                 | 62636                                      | 286408        | 18  | NDN-AI OAGHTERS  | 28      | 7,904         | 4.2  | 331  |  |        |            |     |           |     |     |
|                          |  | LISTED, 03-64 | 18  | WITH HERD-MATES  | 28      | 7,904         | 4.2  | 331  |  | 24     | 9,232      | 375 |           |     |     |
| STATES-                  | 21   |               |     |                  |         |               |      |      |  | DIFF.  | 1328-      | 44- |           |     |     |
| 113282                   | SENELAKECA CRUSADER.....                   |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 07-13-52                 | 98367                                      | 387379        | 32  | NDN-AI OAGHTERS  | 39      | 9,787         | 4.1  | 406  |  |        |            |     |           |     |     |
|                          |  | LISTED, 03-64 | 32  | WITH HERD-MATES  | 39      | 9,787         | 4.1  | 406  |  | 7      | 9,617      | 363 |           |     |     |
| STATES-                  | 21   |               |     |                  |         |               |      |      |  | DIFF.  | 170        | 43  |           |     |     |
| 113308                   | DAWSDNDALD DOLLY 4TH-S TRUMDLD.....        |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 08-14-53                 | 91481                                      | 512488        | 2   | AI DAUGHTERS-02  |         |               |      |      |  |        |            |     |           |     |     |
| AI STUD,                 | 91-01                                      |               | 2   | WITH HERD-MATES  |         |               |      |      |  |        |            |     |           |     |     |
| STATES-                  | 91   |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
|                          |  |               | 24  | NDN-AI DAUGHTERS | 45      | 11,534        | 3.9  | 451  |  |        |            |     |           |     |     |
|                          |  |               | 23  | WITH HERD-MATES  | 43      | 11,525        | 3.9  | 449  |  | 7      | 11,352     | 463 |           |     |     |
|                          |  |               |     |                  |         |               |      |      |  | OIFF.  | 173        | 14- |           |     |     |
| 113325                   | .....                                      |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
|                          |  |               | 18  | NDN-AI OAGHTERS  | 21      | 10,422        | 4.3  | 451  |  |        |            |     |           |     |     |
| STATES-                  | 14,51                                      |               | 18  | WITH HERD-MATES  | 21      | 10,422        | 4.3  | 451  |  | 4      | 10,238     | 423 |           |     |     |
|                          |  |               |     |                  |         |               |      |      |  | DIFF.  | 184        | 28  |           |     |     |
| 113342                   | LIPPITT GENERAL M.....                     |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 11-15-54                 | 91883                                      | 294658        | 10  | NDN-AI OAGHTERS  | 22      | 11,901        | 4.4  | 528  |  |        |            |     |           |     |     |
| AI STUD,                 | 34-01                                      | LISTED, 05-64 | 10  | WITH HERD-MATES  | 22      | 11,901        | 4.4  | 528  |  | 16     | 11,915     | 524 |           |     |     |
| STATES-                  | 14,23,34                                   |               |     |                  |         |               |      |      |  | DIFF.  | 14-        | 4   |           |     |     |
| 113344                   | PRAIRIE BLUE HI-TOPPER.....                |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 12-02-53                 | 99500                                      | 421023        | 1   | AI DAUGHTERS-01  |         |               |      |      |  |        |            |     |           |     |     |
| AI STUD,                 | 87-01                                      | LISTED, 08-62 | 1   | WITH HERD-MATES  |         |               |      |      |  |        |            |     |           |     |     |
| STATES-                  | 82,87                                      |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
|                          |  |               | 19  | NDN-AI DAUGHTERS | 59      | 12,765        | 3.9  | 502  |  |        |            |     |           |     |     |
|                          |  |               | 18  | WITH HERD-MATES  | 55      | 12,825        | 3.9  | 504  |  | 4      | 11,512     | 451 |           |     |     |
|                          |  |               |     |                  |         |               |      |      |  | OIFF.  | 1313       | 53  |           |     |     |
| 113482                   | STRATHGLASS LAIRD-S LUTHER.....            |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 12-28-54                 | 65215                                      | 303339        | 13  | NDN-AI OAGHTERS  | 23      | 7,585         | 4.5  | 338  |  |        |            |     |           |     |     |
|                          |  | LISTED, 08-62 | 11  | WITH HERD-MATES  | 21      | 8,105         | 4.5  | 362  |  | 5      | 8,498      | 344 |           |     |     |
| STATES-                  | 31,57,65                                   |               |     |                  |         |               |      |      |  | DIFF.  | 393-       | 18  |           |     |     |
| 113514                   | .....                                      |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
|                          |  |               | 5   | NON-AI DAUGHTERS | 9       | 10,834        | 4.2  | 453  |  |        |            |     |           |     |     |
| STATES-                  | 23,52                                      |               | 5   | WITH HERD-MATES  | 9       | 10,834        | 4.2  | 453  |  | 19     | 9,569      | 399 |           |     |     |
|                          |  |               |     |                  |         |               |      |      |  | OIFF.  | 1265       | 54  |           |     |     |
| 113605                   | BEACDN SIR ROBERT-S WDDCHUCK.....          |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 02-02-54                 | 100116                                     | 354128        | 8   | NDN-AI OAGHTERS  | 10      | 10,505        | 3.9  | 408  |  |        |            |     |           |     |     |
|                          |  | LISTED, 01-63 | 8   | WITH HERD-MATES  | 10      | 10,505        | 3.9  | 408  |  | 32     | 9,313      | 356 |           |     |     |
| STATES-                  | 58   |               |     |                  |         |               |      |      |  | DIFF.  | 1192       | 52  |           |     |     |
| 113606                   | BEACDN NO DEAL-S VICTDR.....               |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 07-11-54                 | 107481                                     | 426896        | 32  | NDN-AI OAGHTERS  | 61      | 9,918         | 3.9  | 382  |  |        |            |     |           |     |     |
|                          |  | LISTED, 08-62 | 32  | WITH HERD-MATES  | 61      | 9,918         | 3.9  | 382  |  | 27     | 9,388      | 361 |           |     |     |
| STATES-                  | 58   |               |     |                  |         |               |      |      |  | DIFF.  | 530        | 21  |           |     |     |
| 113607                   | BEACDN NO DEAL-S SIR MICHAEL.....          |               |     |                  |         |               |      |      |  |        |            |     |           |     |     |
| 08-05-54                 | 107481                                     | 426904        | 11  | NON-AI OAGHTERS  | 16      | 9,484         | 3.8  | 360  |  |        |            |     |           |     |     |
|                          |  | LISTED, 08-62 | 11  | WITH HERD-MATES  | 16      | 9,484         | 3.8  | 360  |  | 35     | 9,499      | 366 |           |     |     |
| STATES-                  | 58   |               |     |                  |         |               |      |      |  | DIFF.  | 15-        | 6-  |           |     |     |

## SIREs OF OHIA DAUGHTERS

| AYRSHIRE  | AV. RECDRDS<br>NUMBER | PRODUCTION<br>MILK<br>LBS | OF<br>TEST<br>% | DAU.<br>FAT<br>LBS | ADJ.<br>AV.<br>NUMBER | HERD-MATES<br>MILK<br>LBS | AV.<br>FAT<br>LBS | PREDICTED<br>MILK<br>LBS | AV.<br>FAT<br>LBS |
|---|-----------------------|---------------------------|-----------------|--------------------|-----------------------|---------------------------|-------------------|--------------------------|-------------------|
| 113623 PDRTERDALE WAR ACE.....                  |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 10-24-54 107588 460149 18 NDN-AI DAUGHTERS      | 36                    | 11,915                    | 4.1             | 484                |                       |                           |                   |                          |                   |
| LISTED, 08-62 18 WITH HERD-MATES                | 36                    | 11,915                    | 4.1             | 484                | 29                    | 12,150                    | 481               |                          |                   |
| STATES- 21                                      |                       |                           |                 |                    | DIFF.                 | 235-                      | 3                 |                          |                   |
| 113778 .....                                    |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 8 NDN-AI DAUGHTERS                              | 9                     | 10,213                    | 4.3             | 436                |                       |                           |                   |                          |                   |
| STATES- 52 8 WITH HERD-MATES                    | 9                     | 10,213                    | 4.3             | 436                | 9                     | 9,043                     | 356               |                          |                   |
|   |                       |                           |                 |                    | DIFF.                 | 1170                      | 80                |                          |                   |
| 113920 DAK RIOGE LED.....                       |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 07-05-54 104237 436610 104 NDN-AI DAUGHTERS     | 171                   | 9,263                     | 3.6             | 334                |                       |                           |                   |                          |                   |
| LISTED, 08-63 104 WITH HERD-MATES               | 171                   | 9,263                     | 3.6             | 334                | 73                    | 8,815                     | 309               |                          |                   |
| STATES- 92                                      |                       |                           |                 |                    | DIFF.                 | 448                       | 25                |                          |                   |
| 114239 CARNELL NEVER FEAR.....                  |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 04-05-52 99541 500647 14 NDN-AI DAUGHTERS       | 27                    | 10,547                    | 4.2             | 445                |                       |                           |                   |                          |                   |
| LISTED, 01-63 14 WITH HERD-MATES                | 27                    | 10,547                    | 4.2             | 445                | 30                    | 10,990                    | 447               |                          |                   |
| STATES- 13,14,16,21,41                          |                       |                           |                 |                    | DIFF.                 | 443-                      | 2-                |                          |                   |
| 114349 .....                                    |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 20 NDN-AI DAUGHTERS                             | 31                    | 8,570                     | 4.0             | 339                |                       |                           |                   |                          |                   |
| STATES- 15,16,21 20 WITH HERD-MATES             | 31                    | 8,570                     | 4.0             | 339                | 30                    | 9,916                     | 384               |                          |                   |
|   |                       |                           |                 |                    | DIFF.                 | 1346-                     | 45-               |                          |                   |
| 114377 AYRLAND BRITAIN-S RED OEVIL.....         |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 10-22-54 69906 298498 9 NDN-AI DAUGHTERS        | 10                    | 9,899                     | 4.0             | 397                |                       |                           |                   |                          |                   |
| LISTED, 03-64 9 WITH HERD-MATES                 | 9                     | 9,754                     | 4.0             | 388                | 18                    | 9,643                     | 386               |                          |                   |
| STATES- 21                                      |                       |                           |                 |                    | DIFF.                 | 111                       | 2                 |                          |                   |
| 114378 SHAFFER-S BLUE RIBBDN.....               |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 04-09-55 103310 429565 26 NDN-AI DAUGHTERS      | 30                    | 11,471                    | 3.9             | 450                |                       |                           |                   |                          |                   |
| LISTED, 03-64 26 WITH HERD-MATES                | 30                    | 11,471                    | 3.9             | 450                | 14                    | 11,481                    | 452               |                          |                   |
| STATES- 31,34                                   |                       |                           |                 |                    | DIFF.                 | 10-                       | 2-                |                          |                   |
| 114520 CLDVER CREST MARTHA-S KING.....          |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 07-02-55 110751 270876 100 AI DAUGHTERS-25*     | 154                   | 10,575                    | 4.0             | 421                |                       |                           |                   |                          |                   |
| AI STUD, 23-04 LISTED, 05-64 97 WITH HERD-MATES | 150                   | 10,499                    | 4.0             | 417                | 20                    | 9,936                     | 412               | 10,245                   | 401               |
| STATES- 21,23,41,46,50                          |                       |                           |                 |                    | DIFF.                 | 563                       | 5                 |                          |                   |
| 114631 SELWDDO GAIETY.....                      |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 01-31-52 106080 251072 14 NDN-AI DAUGHTERS      | 27                    | 10,627                    | 3.9             | 419                |                       |                           |                   |                          |                   |
| LISTED, 08-62 14 WITH HERD-MATES                | 27                    | 10,627                    | 3.9             | 419                | 15                    | 10,246                    | 407               |                          |                   |
| STATES- 23,32,41,42                             |                       |                           |                 |                    | DIFF.                 | 381                       | 12                |                          |                   |
| 114854 .....                                    |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 17 NDN-AI DAUGHTERS                             | 27                    | 12,675                    | 4.2             | 529                |                       |                           |                   |                          |                   |
| STATES- 32 17 WITH HERD-MATES                   | 26                    | 12,642                    | 4.1             | 524                | 6                     | 10,805                    | 434               |                          |                   |
|   |                       |                           |                 |                    | DIFF.                 | 1837                      | 90                |                          |                   |
| 115080 .....                                    |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 5 NDN-AI DAUGHTERS                              | 5                     | 10,566                    | 4.0             | 423                |                       |                           |                   |                          |                   |
| STATES- 31 5 WITH HERD-MATES                    | 5                     | 10,566                    | 4.0             | 423                | 6                     | 9,342                     | 352               |                          |                   |
|   |                       |                           |                 |                    | DIFF.                 | 1224                      | 71                |                          |                   |
| 115171 WDDDHULL PRINCE ARTHUR.....              |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 10-02-54 77392 436729 24 NDN-AI DAUGHTERS       | 62                    | 9,343                     | 3.8             | 354                |                       |                           |                   |                          |                   |
| LISTED, 08-62 24 WITH HERD-MATES                | 61                    | 9,341                     | 3.8             | 354                | 9                     | 9,446                     | 368               |                          |                   |
| STATES- 41,48                                   |                       |                           |                 |                    | DIFF.                 | 105-                      | 14-               |                          |                   |
| 115413 MACKAYR SUPER JDEY.....                  |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 04-19-55 103949 427292 15 NDN-AI DAUGHTERS      | 23                    | 9,079                     | 3.7             | 339                |                       |                           |                   |                          |                   |
| LISTED, 08-62 15 WITH HERD-MATES                | 22                    | 9,019                     | 3.7             | 338                | 7                     | 8,761                     | 343               |                          |                   |
| STATES- 32,64                                   |                       |                           |                 |                    | DIFF.                 | 258                       | 5-                |                          |                   |
| 115433 GDDO HDPE JDISHUA.....                   |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 11-22-55 86624 464093 8 NDN-AI DAUGHTERS        | 11                    | 8,071                     | 4.2             | 336                |                       |                           |                   |                          |                   |
| LISTED, 08-63 8 WITH HERD-MATES                 | 11                    | 8,071                     | 4.2             | 336                | 18                    | 9,977                     | 398               |                          |                   |
| STATES- 13,21                                   |                       |                           |                 |                    | DIFF.                 | 1906-                     | 62-               |                          |                   |
| 115469 MEREDITH SIR TALISMAN.....               |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 11-01-55 108684 329381 9 AI DAUGHTERS-06        | 9                     | 9,990                     | 4.0             | 398                |                       |                           |                   |                          |                   |
| AI STUD, 16-04 LISTED, 05-64 6 WITH HERD-MATES  | 6                     | 10,130                    | 3.8             | 385                | 11                    | 9,861                     | 386               | 9,825                    | 394               |
| STATES- 12,13,14,16,21                          |                       |                           |                 |                    | DIFF.                 | 269                       | 1-                |                          |                   |
|   |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 25 NDN-AI DAUGHTERS                             | 46                    | 11,465                    | 4.1             | 471                |                       |                           |                   |                          |                   |
| 25 WITH HERD-MATES                              | 46                    | 11,465                    | 4.1             | 471                | 28                    | 11,115                    | 451               |                          |                   |
|   |                       |                           |                 |                    | DIFF.                 | 350                       | 20                |                          |                   |
| 115480 GLEN VALLEY BEAUTY-S LETD.....           |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 11-21-55 110014 348433 27 NDN-AI DAUGHTERS      | 52                    | 10,867                    | 4.1             | 445                |                       |                           |                   |                          |                   |
| AI STUD, 23-04 LISTED, 05-64 27 WITH HERD-MATES | 52                    | 10,867                    | 4.1             | 445                | 11                    | 9,535                     | 402               |                          |                   |
| STATES- 14,21,23                                |                       |                           |                 |                    | DIFF.                 | 1332                      | 43                |                          |                   |
| 115546 STRATHGLASS LIVELY LUTHER.....           |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 12-30-55 96570 303339 27 AI DAUGHTERS-13        | 40                    | 10,191                    | 4.1             | 418                |                       |                           |                   |                          |                   |
| AI STUD, 23-05 LISTED, 03-64 26 WITH HERD-MATES | 38                    | 10,077                    | 4.1             | 414                | 8                     | 9,766                     | 401               | 9,946                    | 405               |
| STATES- 23,54                                   |                       |                           |                 |                    | DIFF.                 | 311                       | 13                |                          |                   |
| 115588 BURNHDLN BENEFACTDR, IMP.....            |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 01-12-52 104053 445366 10 NDN-AI DAUGHTERS      | 16                    | 10,847                    | 3.8             | 411                |                       |                           |                   |                          |                   |
| LISTED, 08-63 10 WITH HERD-MATES                | 16                    | 10,847                    | 3.8             | 411                | 26                    | 11,332                    | 458               |                          |                   |
| STATES- 11,12,16,41                             |                       |                           |                 |                    | DIFF.                 | 485-                      | 47-               |                          |                   |
| 115696 .....                                    |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 5 NDN-AI DAUGHTERS                              | 5                     | 9,186                     | 3.9             | 360                |                       |                           |                   |                          |                   |
| STATES- 31 5 WITH HERD-MATES                    | 5                     | 9,186                     | 3.9             | 360                | 4                     | 9,140                     | 348               |                          |                   |
|   |                       |                           |                 |                    | DIFF.                 | 46                        | 12                |                          |                   |
| 115839 WINDRDW STYLISH JIMMIE.....              |                       |                           |                 |                    |                       |                           |                   |                          |                   |
| 01-20-56 95892 472104 15 NDN-AI DAUGHTERS       | 22                    | 9,941                     | 4.1             | 411                |                       |                           |                   |                          |                   |
| LISTED, 08-63 14 WITH HERD-MATES                | 21                    | 10,082                    | 4.1             | 418                | 6                     | 9,490                     | 389               |                          |                   |
| STATES- 32,61                                   |                       |                           |                 |                    | DIFF.                 | 592                       | 29                |                          |                   |

## SIRE OF DHIA DAUGHTERS

| SIRIES OF DATA DAUGHTER |                                      |               |    |                  | AV. RECORDS | PRODUCTION MILK L8 | OF TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERO-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|-------------------------|--------------------------------------|---------------|----|------------------|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| AYRSHIRE                |                                      |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 115878                  | MEREOTH MERCURY.....                 |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 02-14-56                | 108684                               | 392287        | 10 | NON-AI DAUGHTERS | 15          | 11,864             | 3.7       | 439         |                 |                    |            |                   |            |
|                         |                                      | LISTED, 08-63 | 10 | WITH HERD-MATES  | 15          | 11,864             | 3.7       | 439         | 15              | 10,486             | 400        |                   |            |
| STATES-                 | 12,74                                |               |    |                  |             |                    |           |             | DIFF.           | 1378               | 39         |                   |            |
| 115880                  | KIMBALL FARM SIR 808.....            |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 03-09-56                | 95537                                | 269924        | 18 | NON-AI DAUGHTERS | 29          | 8,587              | 4.3       | 368         |                 |                    |            |                   |            |
|                         |                                      | LISTED, 08-63 | 18 | WITH HERD-MATES  | 29          | 8,587              | 4.3       | 368         | 21              | 9,149              | 371        |                   |            |
| STATES-                 | 12,14                                |               |    |                  |             |                    |           |             | DIFF.           | 562-               | 3-         |                   |            |
| 116005                  | .....                                |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                         |                                      |               | 6  | NON-AI DAUGHTERS | 6           | 12,943             | 4.1       | 527         |                 |                    |            |                   |            |
| STATES-                 | 16,23                                |               | 6  | WITH HERD-MATES  | 6           | 12,943             | 4.1       | 527         | 33              | 12,025             | 483        |                   |            |
|                         |                                      |               |    |                  |             |                    |           |             | DIFF.           | 918                | 44         |                   |            |
| 116006                  | MAPLE DRIVE T.L. SANTA CLAUS.....    |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 12-25-55                | 100562                               | 429751        | 11 | NON-AI DAUGHTERS | 11          | 8,772              | 4.2       | 370         |                 |                    |            |                   |            |
|                         |                                      | LISTED, 11-63 | 11 | WITH HERD-MATES  | 11          | 8,772              | 4.2       | 370         | 9               | 10,334             | 433        |                   |            |
| STATES-                 | 21                                   |               |    |                  |             |                    |           |             | DIFF.           | 1562-              | 63-        |                   |            |
| 116212                  | PETERSEN-S GUARDMAN.....             |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 09-25-55                | 94423                                | 385639        | 18 | NON-AI DAUGHTERS | 21          | 9,417              | 4.1       | 389         |                 |                    |            |                   |            |
|                         |                                      | LISTED, 01-63 | 18 | WITH HERD-MATES  | 21          | 9,417              | 4.1       | 389         | 44              | 9,433              | 391        |                   |            |
| STATES-                 | 16                                   |               |    |                  |             |                    |           |             | DIFF.           | 16-                | 2-         |                   |            |
| 116323                  | HAYNES FARM GOLD ROD.....            |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 02-16-56                | 95384                                | 423669        | 13 | NON-AI DAUGHTERS | 23          | 9,870              | 4.1       | 401         |                 |                    |            |                   |            |
|                         |                                      | LISTED, 01-63 | 11 | WITH HERD-MATES  | 20          | 10,144             | 4.1       | 411         | 29              | 10,066             | 410        |                   |            |
| STATES-                 | 21                                   |               |    |                  |             |                    |           |             | DIFF.           | 78                 | 1          |                   |            |
| 116523                  | MAN O-WAR DOMINANT OF FAR VIEW.....  |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 12-20-52                | 62636                                | 396772        | 9  | NON-AI DAUGHTERS | 9           | 10,643             | 4.1       | 434         |                 |                    |            |                   |            |
|                         |                                      | LISTED, 03-64 | 9  | WITH HERD-MATES  | 9           | 10,643             | 4.1       | 434         | 17              | 9,593              | 382        |                   |            |
| STATES-                 | 21                                   |               |    |                  |             |                    |           |             | DIFF.           | 1050               | 52         |                   |            |
| 116598                  | LIPPITT MOCCASIN.....                |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 03-09-56                | 91883                                | 313913        | 29 | NON-AI DAUGHTERS | 37          | 10,129             | 4.2       | 429         |                 |                    |            |                   |            |
|                         |                                      | LISTED, 11-63 | 29 | WITH HERD-MATES  | 37          | 10,129             | 4.2       | 429         | 31              | 10,082             | 407        |                   |            |
| STATES-                 | 55                                   |               |    |                  |             |                    |           |             | DIFF.           | 47                 | 22         |                   |            |
| 116628                  | AYR-LINE FASHION FLASH.....          |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 07-09-56                | 106285                               | 484554        | 10 | NON-AI DAUGHTERS | 12          | 11,728             | 3.9       | 461         |                 |                    |            |                   |            |
| AI STUD, 12-03          |                                      | LISTED, 05-64 | 10 | WITH HERD-MATES  | 12          | 11,728             | 3.9       | 461         | 11              | 10,790             | 424        |                   |            |
| STATES-                 | 41,48,73                             |               |    |                  |             |                    |           |             | DIFF.           | 938                | 37         |                   |            |
| 116629                  | SOONER BRIGHT JOE.....               |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 10-31-55                | 102522                               | 442766        | 9  | NON-AI DAUGHTERS | 10          | 9,153              | 3.9       | 361         |                 |                    |            |                   |            |
|                         |                                      | LISTED, 11-63 | 9  | WITH HERD-MATES  | 10          | 9,153              | 3.9       | 361         | 5               | 9,659              | 370        |                   |            |
| STATES-                 | 73                                   |               |    |                  |             |                    |           |             | DIFF.           | 506-               | 9-         |                   |            |
| 116706                  | WINOROW BINGO.....                   |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 03-06-56                | 88074                                | 336926        | 12 | NON-AI DAUGHTERS | 22          | 14,582             | 4.4       | 636         |                 |                    |            |                   |            |
| AI STUD, 33-03          |                                      | LISTED, 01-63 | 12 | WITH HERD-MATES  | 21          | 14,565             | 4.4       | 635         | 19              | 12,890             | 563        |                   |            |
| STATES-                 | 14,33,34                             |               |    |                  |             |                    |           |             | DIFF.           | 1675               | 72         |                   |            |
| 116767                  | GLENGARRY LLOYD ROYAL.....           |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 11-09-55                | 116364                               | 524632        | 22 | NON-AI DAUGHTERS | 44          | 14,766             | 4.1       | 609         |                 |                    |            |                   |            |
| AI STUD, 35-75          |                                      | LISTED, 05-64 | 22 | WITH HERD-MATES  | 43          | 14,786             | 4.1       | 610         | 4               | 11,593             | 473        |                   |            |
| STATES-                 | 33                                   |               |    |                  |             |                    |           |             | DIFF.           | 3193               | 137        |                   |            |
| 116789                  | 80NA CREST STORMY MAJOR.....         |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 11-14-55                | 108446                               | 446354        | 11 | NON-AI DAUGHTERS | 16          | 8,730              | 3.9       | 340         |                 |                    |            |                   |            |
|                         |                                      | LISTED, 01-63 | 11 | WITH HERD-MATES  | 16          | 8,730              | 3.9       | 340         | 4               | 8,956              | 369        |                   |            |
| STATES-                 | 32                                   |               |    |                  |             |                    |           |             | DIFF.           | 226-               | 29-        |                   |            |
| 116873                  | .....                                |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                         |                                      |               | 5  | NON-AI DAUGHTERS | 7           | 8,718              | 4.2       | 362         |                 |                    |            |                   |            |
| STATES-                 | 15,16                                |               | 5  | WITH HERD-MATES  | 7           | 8,718              | 4.2       | 362         | 17              | 10,750             | 428        |                   |            |
|                         |                                      |               |    |                  |             |                    |           |             | DIFF.           | 2032-              | 66-        |                   |            |
| 116980                  | NESHAMINY SIGN POST.....             |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 06-22-56                | 94906                                | 383545        | 20 | NON-AI DAUGHTERS | 42          | 8,545              | 4.3       | 368         |                 |                    |            |                   |            |
|                         |                                      | LISTED, 08-62 | 20 | WITH HERD-MATES  | 42          | 8,545              | 4.3       | 368         | 9               | 9,962              | 397        |                   |            |
| STATES-                 | 51                                   |               |    |                  |             |                    |           |             | DIFF.           | 1417-              | 29-        |                   |            |
| 116998                  | MACKAYR MISTER ED.....               |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 08-08-56                | 112033                               | 477918        | 20 | NON-AI DAUGHTERS | 22          | 9,717              | 4.0       | 386         |                 |                    |            |                   |            |
|                         |                                      | LISTED, 11-63 | 19 | WITH HERD-MATES  | 20          | 9,738              | 4.0       | 387         | 6               | 9,513              | 391        |                   |            |
| STATES-                 | 33                                   |               |    |                  |             |                    |           |             | DIFF.           | 225                | 4-         |                   |            |
| 117061                  | CAERLAVEROCK PREFERRED KINGFISH..... |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 06-18-56                | 79374                                | 426720        | 46 | AI DAUGHTERS-25  | 64          | 9,905              | 4.3       | 425         |                 |                    |            |                   |            |
| AI STUD, 51-02          |                                      | LISTED, 05-64 | 38 | WITH HERD-MATES  | 55          | 9,960              | 4.3       | 429         | 15              | 9,839              | 405        | 9,832             | 414        |
| STATES-                 | 23,51,52,54,63                       |               |    |                  |             |                    |           |             | DIFF.           | 121                | 24         |                   |            |
| 117064                  | PRAIRIE BLUE DARK BOY.....           |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 01-29-55                | 94934                                | 478769        | 24 | NON-AI DAUGHTERS | 47          | 11,819             | 4.2       | 498         |                 |                    |            |                   |            |
| AI STUD, 31-01          |                                      | LISTED, 05-64 | 24 | WITH HERD-MATES  | 47          | 11,819             | 4.2       | 498         | 6               | 10,909             | 458        |                   |            |
| STATES-                 | 48,73                                |               |    |                  |             |                    |           |             | DIFF.           | 910                | 40         |                   |            |
| 117159                  | ORCHIO-S STORMY MONARCH.....         |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 07-02-56                | 111656                               | 379689        | 12 | NON-AI DAUGHTERS | 14          | 8,855              | 4.0       | 354         |                 |                    |            |                   |            |
|                         |                                      | LISTED, 03-64 | 12 | WITH HERD-MATES  | 14          | 8,855              | 4.0       | 354         | 4               | 9,699              | 389        |                   |            |
| STATES-                 | 33                                   |               |    |                  |             |                    |           |             | DIFF.           | 844-               | 35-        |                   |            |
| 117233                  | SELWOOD PRINCE GEORGE.....           |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 06-22-54                | 117229                               | 553392        | 14 | NON-AI DAUGHTERS | 22          | 8,425              | 4.2       | 358         |                 |                    |            |                   |            |
| AI STUD, 46-01          |                                      |               | 14 | WITH HERD-MATES  | 21          | 8,416              | 4.3       | 358         | 19              | 8,366              | 344        |                   |            |
| STATES-                 | 41,42,46                             |               |    |                  |             |                    |           |             | DIFF.           | 50                 | 14         |                   |            |
| 117253                  | GOOD HOPE VANGUARD.....              |               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 09-16-56                | 112973                               | 236356        | 11 | NON-AI DAUGHTERS | 19          | 11,204             | 4.1       | 458         |                 |                    |            |                   |            |
|                         |                                      | LISTED, 08-63 | 11 | WITH HERD-MATES  | 19          | 11,204             | 4.1       | 458         | 8               | 9,782              | 393        |                   |            |
| STATES-                 | 33                                   |               |    |                  |             |                    |           |             | DIFF.           | 1422               | 65         |                   |            |



## SIREs OF DHIA DAUGHTERS

| AYRSHIRE  | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERD-MATES |                  |     | PREDICTED AV. |     |
|---|------------------------|--------|------|-----|-----------------|------------------|-----|---------------|-----|
|   | RECORDS                | MILK   | TEST | FAT | AV.             | MILK             | FAT | MILK          | FAT |
|   | NUMBER                 | L8     | %    | L8  | NUMBER          | L8               | L8  | L8            | L8  |
| 117270 VISTA GRANDE EL TRUJILLO.....            |                        |        |      |     |                 |                  |     |               |     |
| 10-14-56 113485 366234 63 AI DAUGHTERS-25*      | 65                     | 10,207 | 4.0  | 408 |                 |                  |     |               |     |
| AI STUD, 21-01 LISTED, 05-64 62 WITH HERD-MATES | 62                     | 10,302 | 4.0  | 412 | 17              | 11,049           | 437 | 9,222         | 378 |
| STATES- 12,13,21,33,41,52                       |                        |        |      |     | DIFF.           | 747-             | 25- |               |     |
| 8 NDN-AI DAUGHTERS                              | 12                     | 10,977 | 4.1  | 450 |                 |                  |     |               |     |
| 8 WITH HERD-MATES                               | 12                     | 10,977 | 4.1  | 450 | 19              | 10,530           | 430 |               |     |
|   |                        |        |      |     | DIFF.           | 447              | 20  |               |     |
| 117274 GREEN VALLEY SAMSDN.....                 |                        |        |      |     |                 |                  |     |               |     |
| 11-26-55 105768 490744 5 NDN-AI DAUGHTERS       | 5                      | 12,518 | 4.1  | 516 |                 |                  |     |               |     |
| AI STUD, 35-75 LISTED, 05-64 5 WITH HERD-MATES  | 5                      | 12,518 | 4.1  | 516 | 4               | 12,299           | 512 |               |     |
| STATES- 31                                      |                        |        |      |     | DIFF.           | 219              | 4   |               |     |
| 117308 PLUM BOTTOM HARRY CDIN.....              |                        |        |      |     |                 |                  |     |               |     |
| 09-01-56 111071 334256 13 NDN-AI DAUGHTERS      | 15                     | 12,048 | 4.5  | 537 |                 |                  |     |               |     |
| LISTED, 11-63 13 WITH HERD-MATES                | 15                     | 12,048 | 4.5  | 537 | 10              | 12,054           | 487 |               |     |
| STATES- 23                                      |                        |        |      |     | DIFF.           | 6-               | 50  |               |     |
| 117345 PROSPECT VALLEY K. NATTE.....            |                        |        |      |     |                 |                  |     |               |     |
| 09-26-56 106237 422577 14 NDN-AI DAUGHTERS      | 18                     | 10,570 | 3.9  | 409 |                 |                  |     |               |     |
| LISTED, 03-64 14 WITH HERD-MATES                | 18                     | 10,570 | 3.9  | 409 | 14              | 11,470           | 470 |               |     |
| STATES- 84                                      |                        |        |      |     | DIFF.           | 900-             | 61- |               |     |
| 117366 STRATHGLASS LIVELY VANGUARD.....         |                        |        |      |     |                 |                  |     |               |     |
| 01-22-57 96570 264671 19 NDN-AI DAUGHTERS       | 21                     | 8,317  | 4.2  | 346 |                 |                  |     |               |     |
| LISTED, 11-63 19 WITH HERD-MATES                | 21                     | 8,317  | 4.2  | 346 | 18              | 8,306            | 342 |               |     |
| STATES- 21,23                                   |                        |        |      |     | DIFF.           | 11               | 4   |               |     |
| 117367 STRATHGLASS LIVELY VETERAN.....          |                        |        |      |     |                 |                  |     |               |     |
| 01-24-57 96570 360818 9 NDN-AI DAUGHTERS        | 10                     | 10,870 | 4.0  | 431 |                 |                  |     |               |     |
| LISTED, 03-64 9 WITH HERD-MATES                 | 10                     | 10,870 | 4.0  | 431 | 12              | 11,072           | 438 |               |     |
| STATES- 41,46,54                                |                        |        |      |     | DIFF.           | 202-             | 7-  |               |     |
| 117406 .....                                    |                        |        |      |     |                 |                  |     |               |     |
| STATES- 21,42                                   |                        |        |      |     | 5               | NDN-AI DAUGHTERS |     |               |     |
|   |                        |        |      |     | 5               | WITH HERD-MATES  |     |               |     |
|   | 11                     | 11,053 | 3.9  | 432 |                 |                  |     |               |     |
|   | 11                     | 11,053 | 3.9  | 432 | 28              | 11,388           | 445 |               |     |
|   |                        |        |      |     | DIFF.           | 335-             | 13- |               |     |
| 117418 MASDNIC HOMES HI-FI.....                 |                        |        |      |     |                 |                  |     |               |     |
| 08-29-56 111382 500824 10 NDN-AI DAUGHTERS      | 14                     | 9,606  | 4.0  | 389 |                 |                  |     |               |     |
| LISTED, 11-63 10 WITH HERD-MATES                | 14                     | 9,606  | 4.0  | 389 | 31              | 10,216           | 437 |               |     |
| STATES- 23,51                                   |                        |        |      |     | DIFF.           | 610-             | 48- |               |     |
| 117465 GOLDEN ELMER.....                        |                        |        |      |     |                 |                  |     |               |     |
| 04-22-56 95384 340480 8 NDN-AI DAUGHTERS        | 17                     | 10,169 | 4.4  | 444 |                 |                  |     |               |     |
| LISTED, 01-63 8 WITH HERD-MATES                 | 17                     | 10,169 | 4.4  | 444 | 8               | 9,933            | 410 |               |     |
| STATES- 22                                      |                        |        |      |     | DIFF.           | 236              | 34  |               |     |
| 117487 .....                                    |                        |        |      |     |                 |                  |     |               |     |
| STATES- 48                                      |                        |        |      |     | 5               | NDN-AI DAUGHTERS |     |               |     |
|   |                        |        |      |     | 5               | WITH HERD-MATES  |     |               |     |
|   | 7                      | 9,991  | 4.2  | 418 |                 |                  |     |               |     |
|   | 7                      | 9,991  | 4.2  | 418 | 15              | 10,499           | 408 |               |     |
|   |                        |        |      |     | DIFF.           | 508-             | 10  |               |     |
| 117502 KINGSLAND TYBALT RED 2ND.....            |                        |        |      |     |                 |                  |     |               |     |
| 01-12-56 78309 287458 10 NDN-AI DAUGHTERS       | 16                     | 12,339 | 4.4  | 548 |                 |                  |     |               |     |
| LISTED, 11-63 10 WITH HERD-MATES                | 16                     | 12,339 | 4.4  | 548 | 19              | 11,834           | 474 |               |     |
| STATES- 14,15,16,52                             |                        |        |      |     | DIFF.           | 505              | 74  |               |     |
| 117504 KINGSLAND WHITE ROCK.....                |                        |        |      |     |                 |                  |     |               |     |
| 05-12-56 113028 411624 14 NDN-AI DAUGHTERS      | 20                     | 11,898 | 4.2  | 496 |                 |                  |     |               |     |
| AI STUD, 52-01 LISTED, 01-63 13 WITH HERD-MATES | 19                     | 12,436 | 4.2  | 517 | 21              | 11,401           | 463 |               |     |
| STATES- 12,15,16,21                             |                        |        |      |     | DIFF.           | 1035             | 54  |               |     |
| 117505 KINGSLAND SPARTAN BARDN.....             |                        |        |      |     |                 |                  |     |               |     |
| 10-27-56 113028 316425 12 NDN-AI DAUGHTERS      | 14                     | 9,703  | 3.9  | 379 |                 |                  |     |               |     |
| LISTED, 11-63 12 WITH HERD-MATES                | 14                     | 9,703  | 3.9  | 379 | 28              | 9,994            | 408 |               |     |
| STATES- 13                                      |                        |        |      |     | DIFF.           | 291-             | 29- |               |     |
| 117506 LEMOLA SUNNY LAD.....                    |                        |        |      |     |                 |                  |     |               |     |
| 09-14-56 70020 297500 9 NDN-AI DAUGHTERS        | 14                     | 11,207 | 3.9  | 437 |                 |                  |     |               |     |
| LISTED, 11-63 9 WITH HERD-MATES                 | 14                     | 11,207 | 3.9  | 437 | 15              | 12,047           | 467 |               |     |
| STATES- 55                                      |                        |        |      |     | DIFF.           | 840-             | 30- |               |     |
| 117528 WINDROW PREF. BRUND.....                 |                        |        |      |     |                 |                  |     |               |     |
| 09-25-56 113342 492909 10 NDN-AI DAUGHTERS      | 14                     | 10,226 | 4.5  | 461 |                 |                  |     |               |     |
| AI STUD, 31-01 LISTED, 05-64 10 WITH HERD-MATES | 14                     | 10,226 | 4.5  | 461 | 13              | 9,903            | 408 |               |     |
| STATES- 33                                      |                        |        |      |     | DIFF.           | 323              | 53  |               |     |
| 117607 MAIDEN HILL ROYAL MARQUIS.....           |                        |        |      |     |                 |                  |     |               |     |
| 10-24-56 84323 436961 9 NDN-AI DAUGHTERS        | 13                     | 8,542  | 4.1  | 347 |                 |                  |     |               |     |
| LISTED, 08-63 9 WITH HERD-MATES                 | 13                     | 8,542  | 4.1  | 347 | 4               | 8,716            | 345 |               |     |
| STATES- 14                                      |                        |        |      |     | DIFF.           | 174-             | 2   |               |     |
| 117680 LESSNESSDICK COMPETITOR.....             |                        |        |      |     |                 |                  |     |               |     |
| 07-02-55 117679 558908 13 NDN-AI DAUGHTERS      | 15                     | 10,885 | 4.1  | 451 |                 |                  |     |               |     |
| LISTED, 01-63 13 WITH HERD-MATES                | 15                     | 10,885 | 4.1  | 451 | 29              | 12,046           | 493 |               |     |
| STATES- 12,14,16,21,23                          |                        |        |      |     | DIFF.           | 1161-            | 42- |               |     |
| 117764 REIDINA SUN STAR.....                    |                        |        |      |     |                 |                  |     |               |     |
| 02-12-57 93233 452137 15 NDN-AI DAUGHTERS       | 22                     | 7,881  | 4.2  | 329 |                 |                  |     |               |     |
| LISTED, 08-63 15 WITH HERD-MATES                | 22                     | 7,881  | 4.2  | 329 | 9               | 8,949            | 365 |               |     |
| STATES- 41                                      |                        |        |      |     | DIFF.           | 1068-            | 36- |               |     |
| 117816 SELWOOD BETTY-S VICTORY.....             |                        |        |      |     |                 |                  |     |               |     |
| 01-13-56 117225 560219 38 AI DAUGHTERS-16       | 55                     | 10,685 | 3.9  | 417 |                 |                  |     |               |     |
| AI STUD, 42-02 LISTED, 05-64 35 WITH HERD-MATES | 51                     | 10,821 | 3.9  | 423 | 10              | 10,010           | 405 | 10,353        | 409 |
| STATES- 42                                      |                        |        |      |     | DIFF.           | 811              | 18  |               |     |
| 20 NDN-AI DAUGHTERS                             | 39                     | 10,348 | 4.0  | 416 |                 |                  |     |               |     |
| 20 WITH HERD-MATES                              | 39                     | 10,348 | 4.0  | 416 | 14              | 10,334           | 413 |               |     |
|   |                        |        |      |     | DIFF.           | 14               | 3   |               |     |
| 117839 GREENRANGE HIT PARADE.....               |                        |        |      |     |                 |                  |     |               |     |
| 10-19-56 78249 466917 10 NDN-AI DAUGHTERS       | 16                     | 11,676 | 4.2  | 489 |                 |                  |     |               |     |
| AI STUD, 23-08 LISTED, 01-63 10 WITH HERD-MATES | 16                     | 11,676 | 4.2  | 489 | 27              | 10,819           | 448 |               |     |
| STATES- 13                                      |                        |        |      |     | DIFF.           | 857              | 41  |               |     |

## SIRE OF DHIA DAUGHTERS

| AYRSHIRE                      |                                |     |                  |     | AV. PRODUCTION OF DAU. |      |      |     | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |
|-------------------------------|--------------------------------|-----|------------------|-----|------------------------|------|------|-----|---------------------|--------|-----|---------------|-----|
|                               |                                |     |                  |     | RECD RDS               | MILK | TEST | FAT | AV.                 | MILK   | FAT | MILK          | FAT |
|                               |                                |     |                  |     | NUMBER                 | L8   | %    | L8  | NUMBER              | L8     | L8  | L8            | L8  |
| 117936                        | SELWDDD-BETTY-S COMMANDER..... |     |                  |     |                        |      |      |     |                     |        |     |               |     |
| 01-14-53                      | 111157 56D219                  | 265 | AI DAUGHTERS-25* | 496 | 12,549                 | 4.1  | 513  |     |                     |        |     |               |     |
| AI STUD, 21-01                | LISTED, D5-64                  | 262 | WITH HERD-MATES  | 488 | 12,602                 | 4.1  | 515  |     | 18                  | 10,883 | 437 | 11,474        | 473 |
| STATES- 11,12,13,14,16,21,23, |                                |     |                  |     |                        |      |      |     | DIFF.               | 1719   | 78  |               |     |
| 33,35,41,42,46,57,63,91       |                                | 11  | NDN-AI DAUGHTERS | 22  | 10,335                 | 4.2  | 429  |     |                     |        |     |               |     |
|                               |                                | 11  | WITH HERD-MATES  | 22  | 10,335                 | 4.2  | 429  |     | 20                  | 9,151  | 377 |               |     |
|                               |                                |     |                  |     |                        |      |      |     | DIFF.               | 1184   | 52  |               |     |
| 117994                        | AYR-LINE FASHION GRAND.....    |     |                  |     |                        |      |      |     |                     |        |     |               |     |
| D2-13-57                      | 106285 3D8860                  | 15  | NDN-AI DAUGHTERS | 17  | 10,514                 | 3.7  | 391  |     |                     |        |     |               |     |
|                               | LISTED, 11-63                  | 14  | WITH HERD-MATES  | 16  | 10,707                 | 3.7  | 397  |     | 22                  | 9,947  | 380 |               |     |
| STATES- 48,71,73,74           |                                |     |                  |     |                        |      |      |     | DIFF.               | 760    | 17  |               |     |
| 118100                        | HONEY 8RDDK MARY-S NED.....    |     |                  |     |                        |      |      |     |                     |        |     |               |     |
| D7-27-56                      | 111675 41D741                  | 12  | NDN-AI DAUGHTERS | 23  | 9,295                  | 4.1  | 377  |     |                     |        |     |               |     |
|                               | LISTED, D3-64                  | 11  | WITH HERD-MATES  | 22  | 9,393                  | 4.1  | 381  |     | 10                  | 10,001 | 395 |               |     |
| STATES- 23                    |                                |     |                  |     |                        |      |      |     | DIFF.               | 608-   | 14- |               |     |
| 118141                        | STRATHGLASS LIVELY LEDN.....   |     |                  |     |                        |      |      |     |                     |        |     |               |     |
| D4-20-57                      | 9657D 387481                   | 8   | NDN-AI DAUGHTERS | 12  | 7,762                  | 4.0  | 313  |     |                     |        |     |               |     |
|                               | LISTED, D8-63                  | 8   | WITH HERD-MATES  | 12  | 7,762                  | 4.0  | 313  |     | 13                  | 9,542  | 383 |               |     |
| STATES- 54                    |                                |     |                  |     |                        |      |      |     | DIFF.               | 1780-  | 70- |               |     |
| 118177                        | NEW MODN-S GOLDEN 8DY.....     |     |                  |     |                        |      |      |     |                     |        |     |               |     |
| D4-22-57                      | 95384 385496                   | 12  | NDN-AI DAUGHTERS | 14  | 9,615                  | 4.5  | 432  |     |                     |        |     |               |     |
|                               | LISTED, 11-63                  | 12  | WITH HERD-MATES  | 14  | 9,615                  | 4.5  | 432  |     | 30                  | 11,238 | 474 |               |     |
| STATES- 14                    |                                |     |                  |     |                        |      |      |     | DIFF.               | 1623-  | 42- |               |     |
| 118219                        | .....                          |     |                  |     |                        |      |      |     |                     |        |     |               |     |
|                               |                                | 5   | NDN-AI DAUGHTERS | 5   | 10,832                 | 4.2  | 452  |     |                     |        |     |               |     |
| STATES- 51,55                 |                                | 5   | WITH HERD-MATES  | 5   | 10,832                 | 4.2  | 452  |     | 7                   | 10,267 | 417 |               |     |
|                               |                                |     |                  |     |                        |      |      |     | DIFF.               | 565    | 35  |               |     |
| 118237                        | .....                          |     |                  |     |                        |      |      |     |                     |        |     |               |     |
|                               |                                | 8   | NDN-AI DAUGHTERS | 11  | 10,936                 | 4.1  | 444  |     |                     |        |     |               |     |
| STATES- 31                    |                                | 8   | WITH HERD-MATES  | 11  | 10,936                 | 4.1  | 444  |     | 12                  | 10,651 | 428 |               |     |
|                               |                                |     |                  |     |                        |      |      |     | DIFF.               | 285    | 16  |               |     |
| 118258                        | MEADWW LAND TONY.....          |     |                  |     |                        |      |      |     |                     |        |     |               |     |
| 07-02-56                      | 112041 496834                  | 13  | NDN-AI DAUGHTERS | 16  | 9,330                  | 3.7  | 347  |     |                     |        |     |               |     |
|                               | LISTED, D3-64                  | 13  | WITH HERD-MATES  | 16  | 9,330                  | 3.7  | 347  |     | 125                 | 8,316  | 297 |               |     |
| STATES- 92                    |                                |     |                  |     |                        |      |      |     | DIFF.               | 1014   | 50  |               |     |
| 118330                        | WDDDHULL ND8LE ANSWER.....     |     |                  |     |                        |      |      |     |                     |        |     |               |     |
| D2-17-57                      | 96D19 469784                   | 12  | NDN-AI DAUGHTERS | 14  | 8,893                  | 3.7  | 331  |     |                     |        |     |               |     |
|                               | LISTED, 05-64                  | 12  | WITH HERD-MATES  | 14  | 8,893                  | 3.7  | 331  |     | 15                  | 8,865  | 328 |               |     |
| STATES- 48                    |                                |     |                  |     |                        |      |      |     | DIFF.               | 28     | 3   |               |     |
| 118334                        | MACKAYR SUPER DAN.....         |     |                  |     |                        |      |      |     |                     |        |     |               |     |
| 03-22-57                      | 103949 442352                  | 11  | NDN-AI DAUGHTERS | 13  | 9,080                  | 3.9  | 353  |     |                     |        |     |               |     |
|                               | LISTED, 03-64                  | 11  | WITH HERD-MATES  | 13  | 9,080                  | 3.9  | 353  |     | 12                  | 8,466  | 332 |               |     |
| STATES- 21,41                 |                                |     |                  |     |                        |      |      |     | DIFF.               | 614    | 21  |               |     |
| 118437                        | DU-AYR FIRECRACKER.....        |     |                  |     |                        |      |      |     |                     |        |     |               |     |
| D7-04-57                      | 84386 427242                   | 8   | NDN-AI DAUGHTERS | 11  | 11,547                 | 3.8  | 434  |     |                     |        |     |               |     |
|                               | LISTED, 11-63                  | 8   | WITH HERD-MATES  | 11  | 11,547                 | 3.8  | 434  |     | 11                  | 11,315 | 446 |               |     |
| STATES- 41                    |                                |     |                  |     |                        |      |      |     | DIFF.               | 232    | 12- |               |     |
| 118558                        | .....                          |     |                  |     |                        |      |      |     |                     |        |     |               |     |
|                               |                                | 8   | NDN-AI DAUGHTERS | 9   | 8,426                  | 4.1  | 343  |     |                     |        |     |               |     |
| STATES- 11,41                 |                                | 8   | WITH HERD-MATES  | 9   | 8,426                  | 4.1  | 343  |     | 16                  | 9,103  | 377 |               |     |
|                               |                                |     |                  |     |                        |      |      |     | DIFF.               | 677-   | 34- |               |     |
| 118599                        | 8LACKWDD REVENUE.....          |     |                  |     |                        |      |      |     |                     |        |     |               |     |
| D7-10-57                      | 115074 423136                  | 21  | NDN-AI DAUGHTERS | 27  | 9,413                  | 4.4  | 411  |     |                     |        |     |               |     |
|                               | LISTED, 11-63                  | 21  | WITH HERD-MATES  | 27  | 9,413                  | 4.4  | 411  |     | 25                  | 9,926  | 421 |               |     |
| STATES- 23,52                 |                                |     |                  |     |                        |      |      |     | DIFF.               | 513-   | 10- |               |     |
| 118601                        | .....                          |     |                  |     |                        |      |      |     |                     |        |     |               |     |
|                               |                                | 6   | NDN-AI DAUGHTERS | 7   | 8,735                  | 4.3  | 372  |     |                     |        |     |               |     |
| STATES- 21,51                 |                                | 6   | WITH HERD-MATES  | 7   | 8,735                  | 4.3  | 372  |     | 19                  | 9,505  | 389 |               |     |
|                               |                                |     |                  |     |                        |      |      |     | DIFF.               | 770-   | 17- |               |     |
| 118681                        | MEREDITH PREFERRED.....        |     |                  |     |                        |      |      |     |                     |        |     |               |     |
| D3-14-57                      | 79374 413239                   | 28  | AI DAUGHTERS-22  | 28  | 10,757                 | 3.9  | 421  |     |                     |        |     |               |     |
| AI STUD, 33-D3                | LISTED, D5-64                  | 22  | WITH HERD-MATES  | 22  | 10,999                 | 3.9  | 433  |     | 11                  | 9,977  | 402 | 10,401        | 415 |
| STATES- 12,13,14,21,23,31,34, |                                |     |                  |     |                        |      |      |     | DIFF.               | 1022   | 31  |               |     |
| 35,51,54,65                   |                                | 5   | NDN-AI DAUGHTERS | 7   | 9,994                  | 3.9  | 389  |     |                     |        |     |               |     |
|                               |                                | 5   | WITH HERD-MATES  | 7   | 9,994                  | 3.9  | 389  |     | 16                  | 9,831  | 391 |               |     |
|                               |                                |     |                  |     |                        |      |      |     | DIFF.               | 163    | 2-  |               |     |
| 118695                        | .....                          |     |                  |     |                        |      |      |     |                     |        |     |               |     |
|                               |                                | 5   | NDN-AI DAUGHTERS | 5   | 9,744                  | 3.9  | 384  |     |                     |        |     |               |     |
| STATES- 21                    |                                | 5   | WITH HERD-MATES  | 5   | 9,744                  | 3.9  | 384  |     | 15                  | 10,505 | 429 |               |     |
|                               |                                |     |                  |     |                        |      |      |     | DIFF.               | 761-   | 45- |               |     |
| 118834                        | SELWDDD DE8DNAIR.....          |     |                  |     |                        |      |      |     |                     |        |     |               |     |
| D2-25-56                      | 111157 57D666                  | 163 | AI DAUGHTERS-25* | 259 | 11,794                 | 3.9  | 464  |     |                     |        |     |               |     |
| AI STUD, 21-D1                | LISTED, 05-64                  | 162 | WITH HERD-MATES  | 258 | 11,810                 | 3.9  | 465  |     | 17                  | 10,730 | 431 | 10,829        | 430 |
| STATES- 12,13,16,21,23,41     |                                |     |                  |     |                        |      |      |     | DIFF.               | 1080   | 34  |               |     |
|                               |                                | 1   | NDN-AI DAUGHTERS | 1   | 8,460                  | 4.1  | 348  |     |                     |        |     |               |     |
|                               |                                | 1   | WITH HERD-MATES  | 1   | 8,460                  | 4.1  | 348  |     | 5                   | 8,447  | 335 |               |     |
|                               |                                |     |                  |     |                        |      |      |     | DIFF.               | 13     | 13  |               |     |
| 118835                        | BURNHDLN TRADITION.....        |     |                  |     |                        |      |      |     |                     |        |     |               |     |
| D8-14-57                      | 104053 445366                  | 38  | AI DAUGHTERS-25* | 53  | 9,903                  | 4.0  | 394  |     |                     |        |     |               |     |
| AI STUD, 21-D1                | LISTED, 05-64                  | 37  | WITH HERD-MATES  | 50  | 9,878                  | 4.0  | 393  |     | 17                  | 10,557 | 428 | 9,284         | 371 |
| STATES- 11,12,13,14,16,21     |                                |     |                  |     |                        |      |      |     | DIFF.               | 679-   | 35- |               |     |
| 118876                        | .....                          |     |                  |     |                        |      |      |     |                     |        |     |               |     |
|                               |                                | 10  | NDN-AI DAUGHTERS | 10  | 10,942                 | 3.8  | 417  |     |                     |        |     |               |     |
| STATES- 32                    |                                | 9   | WITH HERD-MATES  | 9   | 11,183                 | 3.8  | 427  |     | 16                  | 9,793  | 377 |               |     |
|                               |                                |     |                  |     |                        |      |      |     | DIFF.               | 1390   | 50  |               |     |

## SIRE OF DHIA DAUGHTERS

| AYRSHIRE  |       |    |                  | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERO-MATES MILK L8 | AV. FAT L8 | PREDICTED AV. MILK L8 | FAT L8 |
|---|-------|----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 118898  | ..... | 5  | NON-AI DAUGHTERS | 5           | 8,362                 | 4.3    | 358         |                 |                    |            |                       |        |
| STATES- 46                                      |       | 5  | WITH HERD-MATES  | 5           | 8,362                 | 4.3    | 358         | 4               | 8,498              | 334        |                       |        |
|   |       |    |                  |             |                       |        |             | DIFF.           | 136-               | 24         |                       |        |
| 118923  | ..... | 5  | NON-AI DAUGHTERS | 5           | 9,362                 | 3.9    | 361         |                 |                    |            |                       |        |
| STATES- 32                                      |       | 5  | WITH HERD-MATES  | 5           | 9,362                 | 3.9    | 361         | 6               | 8,821              | 351        |                       |        |
|   |       |    |                  |             |                       |        |             | DIFF.           | 541                | 10         |                       |        |
| 118927  | ..... | 6  | NON-AI DAUGHTERS | 8           | 10,330                | 4.1    | 426         |                 |                    |            |                       |        |
| STATES- 23                                      |       | 5  | WITH HERD-MATES  | 7           | 10,762                | 4.2    | 451         | 22              | 10,607             | 440        |                       |        |
|   |       |    |                  |             |                       |        |             | DIFF.           | 155                | 11         |                       |        |
| 118928  | ..... | 8  | NON-AI DAUGHTERS | 10          | 13,575                | 4.3    | 583         |                 |                    |            |                       |        |
| STATES- 23                                      |       | 8  | WITH HERD-MATES  | 10          | 13,575                | 4.3    | 583         | 24              | 11,489             | 505        |                       |        |
|   |       |    |                  |             |                       |        |             | DIFF.           | 2086               | 78         |                       |        |
| 118929  | ..... | 8  | NON-AI DAUGHTERS | 12          | 9,310                 | 4.1    | 383         |                 |                    |            |                       |        |
| STATES- 14,23                                   |       | 8  | WITH HERD-MATES  | 12          | 9,310                 | 4.1    | 383         | 10              | 9,829              | 403        |                       |        |
|   |       |    |                  |             |                       |        |             | DIFF.           | 519-               | 20-        |                       |        |
| 119020 CLOVERGOLD ARVILLA-S GORGEOUS.....       |       |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 10-18-57 119017 572664 20 NON-AI DAUGHTERS      |       | 20 |                  | 25          | 9,970                 | 4.0    | 396         |                 |                    |            |                       |        |
| LISTED, 03-64 20 WITH HERD-MATES                |       |    |                  | 25          | 9,970                 | 4.0    | 396         | 40              | 10,404             | 408        |                       |        |
| STATES- 42                                      |       |    |                  |             |                       |        |             | DIFF.           | 434-               | 12-        |                       |        |
| 119116  | ..... | 6  | NON-AI DAUGHTERS | 6           | 7,545                 | 4.1    | 313         |                 |                    |            |                       |        |
| STATES- 21                                      |       | 6  | WITH HERD-MATES  | 6           | 7,545                 | 4.1    | 313         | 16              | 8,334              | 338        |                       |        |
|   |       |    |                  |             |                       |        |             | DIFF.           | 789-               | 25-        |                       |        |
| 119121  | ..... | 6  | NON-AI DAUGHTERS | 6           | 8,900                 | 4.3    | 387         |                 |                    |            |                       |        |
| STATES- 21                                      |       | 6  | WITH HERD-MATES  | 6           | 8,900                 | 4.3    | 387         | 25              | 9,078              | 367        |                       |        |
|   |       |    |                  |             |                       |        |             | DIFF.           | 178-               | 20         |                       |        |
| 119180 VALHALA SPUD NICK.....                   |       |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 11-18-57 95384 458272 14 NON-AI DAUGHTERS       |       | 14 |                  | 22          | 13,692                | 4.1    | 556         |                 |                    |            |                       |        |
| AI STUD, 63-01 LISTED, 08-63 14 WITH HERD-MATES |       |    |                  | 22          | 13,692                | 4.1    | 556         | 25              | 13,085             | 531        |                       |        |
| STATES- 14,21                                   |       |    |                  |             |                       |        |             | DIFF.           | 607                | 25         |                       |        |
| 119182  | ..... | 5  | NON-AI DAUGHTERS | 6           | 11,329                | 3.8    | 432         |                 |                    |            |                       |        |
| STATES- 42                                      |       | 5  | WITH HERD-MATES  | 6           | 11,329                | 3.8    | 432         | 12              | 11,611             | 434        |                       |        |
|   |       |    |                  |             |                       |        |             | DIFF.           | 282-               | 2-         |                       |        |
| 119203  | ..... | 5  | NON-AI DAUGHTERS | 5           | 12,358                | 4.2    | 517         |                 |                    |            |                       |        |
| STATES- 48                                      |       | 5  | WITH HERD-MATES  | 5           | 12,358                | 4.2    | 517         | 11              | 9,056              | 362        |                       |        |
|   |       |    |                  |             |                       |        |             | DIFF.           | 3302               | 155        |                       |        |
| 119218 MEREDITH MIRACLE MAKER.....              |       |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 02-23-58 95384 388435 14 NON-AI DAUGHTERS       |       | 14 |                  | 16          | 9,073                 | 4.4    | 403         |                 |                    |            |                       |        |
| LISTED, 03-64 14 WITH HERD-MATES                |       |    |                  | 16          | 9,073                 | 4.4    | 403         | 13              | 9,723              | 404        |                       |        |
| STATES- 23                                      |       |    |                  |             |                       |        |             | DIFF.           | 650-               | 1-         |                       |        |
| 119238 BURNHOLM ROYALIST.....                   |       |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 07-20-57 104053 431193 21 NON-AI DAUGHTERS      |       | 21 |                  | 23          | 10,423                | 4.3    | 449         |                 |                    |            |                       |        |
| LISTED, 03-64 21 WITH HERD-MATES                |       |    |                  | 23          | 10,423                | 4.3    | 449         | 13              | 11,443             | 472        |                       |        |
| STATES- 33                                      |       |    |                  |             |                       |        |             | DIFF.           | 1020-              | 23-        |                       |        |
| 119283 SENEC-AYR SANTA-S JIM.....               |       |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 03-27-55 104479 360579 10 NON-AI DAUGHTERS      |       | 10 |                  | 10          | 9,868                 | 3.9    | 388         |                 |                    |            |                       |        |
| LISTED, 03-64 10 WITH HERD-MATES                |       |    |                  | 10          | 9,868                 | 3.9    | 388         | 15              | 9,873              | 397        |                       |        |
| STATES- 21                                      |       |    |                  |             |                       |        |             | DIFF.           | 5-                 | 9-         |                       |        |
| 119293 GALNEY JACE COIN.....                    |       |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 11-10-57 111071 403631 60 AI DAUGHTERS-25*      |       | 60 |                  | 73          | 11,189                | 4.0    | 444         |                 |                    |            |                       |        |
| AI STUD, 21-01 LISTED, 05-64 60 WITH HERD-MATES |       |    |                  | 70          | 11,229                | 4.0    | 446         | 16              | 10,724             | 437        | 10,233                | 406    |
| STATES- 12,13,21                                |       |    |                  |             |                       |        |             | DIFF.           | 505                | 9          |                       |        |
|   |       | 1  | NON-AI DAUGHTERS | 2           | 15,835                | 4.1    | 644         |                 |                    |            |                       |        |
|   |       | 1  | WITH HERD-MATES  | 2           | 15,835                | 4.1    | 644         | 14              | 12,001             | 445        |                       |        |
|   |       |    |                  |             |                       |        |             | DIFF.           | 3834               | 199        |                       |        |
| 119343  | ..... | 7  | NON-AI DAUGHTERS | 7           | 9,253                 | 3.9    | 360         |                 |                    |            |                       |        |
| STATES- 61                                      |       | 7  | WITH HERD-MATES  | 7           | 9,253                 | 3.9    | 360         | 6               | 8,396              | 317        |                       |        |
|   |       |    |                  |             |                       |        |             | DIFF.           | 857                | 43         |                       |        |
| 119568  | ..... | 8  | NON-AI DAUGHTERS | 10          | 11,317                | 4.0    | 450         |                 |                    |            |                       |        |
| STATES- 31                                      |       | 8  | WITH HERD-MATES  | 10          | 11,317                | 4.0    | 450         | 9               | 10,239             | 415        |                       |        |
|   |       |    |                  |             |                       |        |             | DIFF.           | 1078               | 35         |                       |        |
| 119592 CLOVER CREST WHIP CORO.....              |       |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 08-31-57 95384 418431 8 NON-AI DAUGHTERS        |       | 8  |                  | 11          | 10,781                | 3.8    | 410         |                 |                    |            |                       |        |
| LISTED, 11-63 8 WITH HERD-MATES                 |       |    |                  | 11          | 10,781                | 3.8    | 410         | 13              | 11,354             | 446        |                       |        |
| STATES- 21,41,54                                |       |    |                  |             |                       |        |             | DIFF.           | 573-               | 36-        |                       |        |
| 119603 PAUL STAR BANNER.....                    |       |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 05-10-58 115725 381186 10 NON-AI DAUGHTERS      |       | 10 |                  | 12          | 11,347                | 4.1    | 465         |                 |                    |            |                       |        |
| LISTED, 05-64 10 WITH HERD-MATES                |       |    |                  | 12          | 11,347                | 4.1    | 465         | 5               | 11,901             | 460        |                       |        |
| STATES- 14                                      |       |    |                  |             |                       |        |             | DIFF.           | 554-               | 5          |                       |        |
| 119667 SELWOOD SWANCY-S GLADNESS.....           |       |    |                  |             |                       |        |             |                 |                    |            |                       |        |
| 10-18-55 114631 590271 13 NON-AI DAUGHTERS      |       | 13 |                  | 15          | 11,896                | 3.6    | 432         |                 |                    |            |                       |        |
| LISTED, 08-63 12 WITH HERD-MATES                |       | 12 |                  | 14          | 11,528                | 3.7    | 421         | 12              | 11,142             | 439        |                       |        |
| STATES- 41,46                                   |       |    |                  |             |                       |        |             | DIFF.           | 386                | 18-        |                       |        |



## SIRE OF DHIA DAUGHTERS

| AYRSHIRE       |                                   |                     |    | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. MILK | AV. FAT | PREDICTED AV. |
|----------------|-----------------------------------|---------------------|----|------------------------|---------------------|----------|---------|---------------|
|                |                                   |                     |    | RECORDS MILK TEST FAT  | NUMBER MILK L8      | FAT L8   | MILK L8 | FAT L8        |
| 119673         | .....                             | 5 NON-AI DAUGHTERS  | 7  | 9,622 4.1 391          |                     |          |         |               |
| AI STUD, 41-01 | 4 WITH HERD-MATES                 |                     | 6  | 10,565 4.1 434         | 7                   | 11,009   | 433     |               |
| STATES- 41,46  |                                   |                     |    |                        | DIFF.               | 444-     | 1       |               |
| 119690         | .....                             | 5 NON-AI DAUGHTERS  | 5  | 12,198 4.2 509         |                     |          |         |               |
| STATES- 11     | 5 WITH HERD-MATES                 |                     | 5  | 12,198 4.2 509         | 14                  | 10,095   | 427     |               |
|                |                                   |                     |    |                        | DIFF.               | 2103     | 82      |               |
| 119741         | .....                             | 5 NON-AI DAUGHTERS  | 6  | 8,676 4.4 380          |                     |          |         |               |
| STATES- 23     | 5 WITH HERD-MATES                 |                     | 6  | 8,676 4.4 380          | 14                  | 10,308   | 403     |               |
|                |                                   |                     |    |                        | DIFF.               | 1632-    | 23-     |               |
| 119903         | 8URR-AYR FARM-S RED CREST.....    |                     |    |                        |                     |          |         |               |
| 11-03-57       | 112247 435888 9 NON-AI DAUGHTERS  |                     | 10 | 10,898 3.7 406         |                     |          |         |               |
| STATES- 21     | LISTED, 08-63 9 WITH HERD-MATES   |                     | 10 | 10,898 3.7 406         | 16                  | 11,439   | 437     |               |
|                |                                   |                     |    |                        | DIFF.               | 541-     | 31-     |               |
| 119912         | .....                             | 7 NON-AI DAUGHTERS  | 7  | 13,410 4.1 544         |                     |          |         |               |
| STATES- 73     | 7 WITH HERD-MATES                 |                     | 7  | 13,410 4.1 544         | 4                   | 10,642   | 433     |               |
|                |                                   |                     |    |                        | DIFF.               | 2768     | 111     |               |
| 119944         | VER-LESTA TRDDPER.....            |                     |    |                        |                     |          |         |               |
| 03-13-58       | 114241 475688 9 NON-AI DAUGHTERS  |                     | 10 | 10,554 4.4 463         |                     |          |         |               |
| STATES- 13     | LISTED, 03-64 9 WITH HERD-MATES   |                     | 10 | 10,554 4.4 463         | 41                  | 10,860   | 453     |               |
|                |                                   |                     |    |                        | DIFF.               | 306-     | 10      |               |
| 119998         | .....                             | 6 NON-AI DAUGHTERS  | 6  | 11,822 4.3 505         |                     |          |         |               |
| STATES- 31,32  | 6 WITH HERD-MATES                 |                     | 6  | 11,822 4.3 505         | 16                  | 12,165   | 491     |               |
|                |                                   |                     |    |                        | DIFF.               | 343-     | 14      |               |
| 119999         | .....                             | 7 NON-AI DAUGHTERS  | 7  | 12,854 4.0 512         |                     |          |         |               |
| STATES- 31     | 7 WITH HERD-MATES                 |                     | 7  | 12,854 4.0 512         | 19                  | 12,587   | 505     |               |
|                |                                   |                     |    |                        | DIFF.               | 267      | 7       |               |
| 120025         | .....                             | 5 NON-AI DAUGHTERS  | 9  | 9,026 4.0 365          |                     |          |         |               |
| STATES- 23     | 5 WITH HERD-MATES                 |                     | 9  | 9,026 4.0 365          | 8                   | 10,255   | 424     |               |
|                |                                   |                     |    |                        | DIFF.               | 1229-    | 59-     |               |
| 120076         | MONTANA TIM.....                  |                     |    |                        |                     |          |         |               |
| 05-29-57       | 110408 473518 9 NON-AI DAUGHTERS  |                     | 12 | 9,869 4.4 436          |                     |          |         |               |
| STATES- 81     | LISTED, 11-63 9 WITH HERD-MATES   |                     | 12 | 9,869 4.4 436          | 14                  | 11,518   | 475     |               |
|                |                                   |                     |    |                        | DIFF.               | 1649-    | 39-     |               |
| 120078         | .....                             | 8 NON-AI DAUGHTERS  | 8  | 9,734 4.3 422          |                     |          |         |               |
| STATES- 81     | 8 WITH HERD-MATES                 |                     | 8  | 9,734 4.3 422          | 19                  | 10,227   | 432     |               |
|                |                                   |                     |    |                        | DIFF.               | 493-     | 10-     |               |
| 120141         | .....                             | 5 NON-AI DAUGHTERS  | 5  | 12,234 4.3 524         |                     |          |         |               |
| STATES- 34     | 5 WITH HERD-MATES                 |                     | 5  | 12,234 4.3 524         | 9                   | 12,726   | 521     |               |
|                |                                   |                     |    |                        | DIFF.               | 492-     | 3       |               |
| 120210         | .....                             | 6 NON-AI DAUGHTERS  | 6  | 10,597 3.9 414         |                     |          |         |               |
| STATES- 48     | 6 WITH HERD-MATES                 |                     | 6  | 10,597 3.9 414         | 8                   | 9,876    | 393     |               |
|                |                                   |                     |    |                        | DIFF.               | 721      | 21      |               |
| 120259         | RED PAT DF BLODMING GROVE.....    |                     |    |                        |                     |          |         |               |
| 05-21-56       | 120258 240440 9 NON-AI DAUGHTERS  |                     | 10 | 9,148 4.2 382          |                     |          |         |               |
| STATES- 21     | LISTED, 05-64 9 WITH HERD-MATES   |                     | 10 | 9,148 4.2 382          | 13                  | 8,614    | 332     |               |
|                |                                   |                     |    |                        | DIFF.               | 534      | 50      |               |
| 120262         | .....                             | 14 NON-AI DAUGHTERS | 14 | 9,144 4.4 400          |                     |          |         |               |
| STATES- 23     | 14 WITH HERD-MATES                |                     | 14 | 9,144 4.4 400          | 14                  | 8,108    | 344     |               |
|                |                                   |                     |    |                        | DIFF.               | 1036     | 56      |               |
| 120314         | CARPENTER-S 8D8 HDPE 6ST.....     |                     |    |                        |                     |          |         |               |
| 02-18-57       | 102741 458617 14 NON-AI DAUGHTERS |                     | 15 | 9,884 4.0 394          |                     |          |         |               |
| STATES- 11,12  | LISTED, 11-63 14 WITH HERD-MATES  |                     | 15 | 9,884 4.0 394          | 27                  | 10,059   | 402     |               |
|                |                                   |                     |    |                        | DIFF.               | 175-     | 8-      |               |
| 120330         | SELWDDO CDRA-S VICTORY 3RD.....   |                     |    |                        |                     |          |         |               |
| 01-31-58       | 117225 503111 17 NON-AI DAUGHTERS |                     | 19 | 11,164 3.9 439         |                     |          |         |               |
| STATES- 42     | LISTED, 03-64 17 WITH HERD-MATES  |                     | 19 | 11,164 3.9 439         | 7                   | 10,933   | 425     |               |
|                |                                   |                     |    |                        | DIFF.               | 231      | 14      |               |
| 120358         | .....                             | 5 NON-AI DAUGHTERS  | 5  | 12,530 4.1 509         |                     |          |         |               |
| STATES- 73     | 5 WITH HERD-MATES                 |                     | 5  | 12,530 4.1 509         | 6                   | 9,032    | 359     |               |
|                |                                   |                     |    |                        | DIFF.               | 3498     | 150     |               |
| 120391         | .....                             | 6 NON-AI DAUGHTERS  | 6  | 10,952 4.1 453         |                     |          |         |               |
| STATES- 32     | 6 WITH HERD-MATES                 |                     | 6  | 10,952 4.1 453         | 7                   | 11,507   | 449     |               |
|                |                                   |                     |    |                        | DIFF.               | 555-     | 4       |               |
| 120396         | .....                             | 6 NON-AI DAUGHTERS  | 6  | 9,110 4.1 371          |                     |          |         |               |
| STATES- 51     | 6 WITH HERD-MATES                 |                     | 6  | 9,110 4.1 371          | 11                  | 10,915   | 454     |               |
|                |                                   |                     |    |                        | DIFF.               | 1805-    | 83-     |               |
| 120460         | CASTLE 8RAE GOLDEN RENN.....      |                     |    |                        |                     |          |         |               |
| 08-27-58       | 95384 513919 9 NON-AI DAUGHTERS   |                     | 9  | 9,760 4.2 411          |                     |          |         |               |
| STATES- 16     | LISTED, 05-64 9 WITH HERD-MATES   |                     | 9  | 9,760 4.2 411          | 23                  | 11,390   | 467     |               |
|                |                                   |                     |    |                        | DIFF.               | 1630-    | 56-     |               |



## SIREs OF DHIA DAUGHTERS

| AYRSHIRE         |                            |    |                  | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERD-MATES AV. |        |      |  | PREDICTED AV. |     |
|------------------|----------------------------|----|------------------|------------------------|--------|------|-----|---------------------|--------|------|--|---------------|-----|
|                  |                            |    |                  | RECORDS                | MILK   | TEST | FAT | AV.                 | MILK   | FAT  |  | MILK          | FAT |
|                  |                            |    |                  | NUMBER                 | L8     | %    | L8  | NUMBER              | L8     | L8   |  | L8            | L8  |
| 120500           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 21       |                            | 5  | NDN-AI DAUGHTERS | 5                      | 7,436  | 4.2  | 311 |                     |        |      |  |               |     |
|                  |                            | 5  | WITH HERD-MATES  | 5                      | 7,436  | 4.2  | 311 | 28                  | 9,133  | 367  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 1697-  | 56-  |  |               |     |
| 120564           | GLENGARRY LUCKY BURNS      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| 01-06-54         | 111540 503278              | 15 | NDN-AI DAUGHTERS | 18                     | 10,821 | 3.7  | 397 |                     |        |      |  |               |     |
| STATES- 57       | LISTED, 11-63              | 15 | WITH HERD-MATES  | 18                     | 10,821 | 3.7  | 397 | 21                  | 10,442 | 375  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 379    | 22   |  |               |     |
| 120693           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 51       |                            | 5  | NDN-AI DAUGHTERS | 5                      | 12,920 | 3.9  | 509 |                     |        |      |  |               |     |
|                  |                            | 5  | WITH HERD-MATES  | 5                      | 12,920 | 3.9  | 509 | 2                   | 10,887 | 461  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 2033   | 48   |  |               |     |
| 120739           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 31       |                            | 5  | NDN-AI DAUGHTERS | 5                      | 11,682 | 3.7  | 436 |                     |        |      |  |               |     |
|                  |                            | 4  | WITH HERD-MATES  | 4                      | 12,303 | 3.8  | 465 | 9                   | 11,157 | 418  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 1146   | 47   |  |               |     |
| 120813           | ARORDSSAN THUNDERHEAD      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| 10-22-58         | 84570 501604               | 8  | NDN-AI DAUGHTERS | 8                      | 10,788 | 4.3  | 466 |                     |        |      |  |               |     |
| STATES- 23       | LISTED, 03-64              | 8  | WITH HERD-MATES  | 8                      | 10,788 | 4.3  | 466 | 40                  | 11,763 | 497  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 975-   | 31-  |  |               |     |
| 120841           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 14,41,51 |                            | 5  | NDN-AI DAUGHTERS | 5                      | 12,058 | 4.3  | 522 |                     |        |      |  |               |     |
|                  |                            | 5  | WITH HERD-MATES  | 5                      | 12,058 | 4.3  | 522 | 28                  | 12,307 | 501  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 249-   | 21   |  |               |     |
| 120953           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 31       |                            | 5  | NDN-AI DAUGHTERS | 7                      | 7,055  | 3.6  | 253 |                     |        |      |  |               |     |
|                  |                            | 5  | WITH HERD-MATES  | 7                      | 7,055  | 3.6  | 253 | 25                  | 10,746 | 394  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 3691-  | 141- |  |               |     |
| 120989           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 13       |                            | 8  | NDN-AI DAUGHTERS | 8                      | 7,475  | 4.2  | 314 |                     |        |      |  |               |     |
|                  |                            | 6  | WITH HERD-MATES  | 6                      | 7,538  | 4.2  | 314 | 16                  | 9,021  | 354  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 1483-  | 40-  |  |               |     |
| 121145           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 13       |                            | 7  | NDN-AI DAUGHTERS | 7                      | 10,137 | 3.9  | 398 |                     |        |      |  |               |     |
|                  |                            | 7  | WITH HERD-MATES  | 7                      | 10,137 | 3.9  | 398 | 20                  | 9,488  | 361  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 649    | 37   |  |               |     |
| 121181           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 11       |                            | 5  | NDN-AI DAUGHTERS | 5                      | 10,206 | 4.1  | 419 |                     |        |      |  |               |     |
|                  |                            | 1  | WITH HERD-MATES  | 1                      | 9,280  | 3.8  | 353 | 5                   | 8,718  | 372  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 562    | 19-  |  |               |     |
| 121474           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 35       |                            | 5  | NDN-AI DAUGHTERS | 5                      | 10,876 | 4.0  | 438 |                     |        |      |  |               |     |
|                  |                            | 5  | WITH HERD-MATES  | 5                      | 10,876 | 4.0  | 438 | 18                  | 9,663  | 410  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 1213   | 28   |  |               |     |
| 121485           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 42       |                            | 6  | NDN-AI DAUGHTERS | 6                      | 10,982 | 4.1  | 448 |                     |        |      |  |               |     |
|                  |                            | 6  | WITH HERD-MATES  | 6                      | 10,982 | 4.1  | 448 | 10                  | 10,165 | 410  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 817    | 38   |  |               |     |
| 121563           | LDCHRIDGE ROY-S ENTHRALLER |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| 09-20-56         | 114660 575886              | 14 | NDN-AI DAUGHTERS | 18                     | 6,711  | 4.1  | 276 |                     |        |      |  |               |     |
| STATES- 91       | LISTED, 11-63              | 14 | WITH HERD-MATES  | 18                     | 6,711  | 4.1  | 276 | 13                  | 7,663  | 320  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 952-   | 44-  |  |               |     |
| 121737           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 42       |                            | 5  | NDN-AI DAUGHTERS | 5                      | 9,170  | 4.0  | 365 |                     |        |      |  |               |     |
|                  |                            | 5  | WITH HERD-MATES  | 5                      | 9,170  | 4.0  | 365 | 17                  | 8,685  | 357  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 485    | 8    |  |               |     |
| 122123           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 16       |                            | 5  | NDN-AI DAUGHTERS | 5                      | 8,074  | 4.3  | 346 |                     |        |      |  |               |     |
|                  |                            | 5  | WITH HERD-MATES  | 5                      | 8,074  | 4.3  | 346 | 14                  | 9,852  | 396  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 1778-  | 50-  |  |               |     |
| 122179           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 23,51    |                            | 5  | NDN-AI DAUGHTERS | 5                      | 9,330  | 4.1  | 387 |                     |        |      |  |               |     |
|                  |                            | 4  | WITH HERD-MATES  | 4                      | 9,775  | 4.2  | 408 | 13                  | 8,607  | 352  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 1168   | 56   |  |               |     |
| 122378           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 42       |                            | 5  | NDN-AI DAUGHTERS | 5                      | 10,248 | 4.2  | 430 |                     |        |      |  |               |     |
|                  |                            | 5  | WITH HERD-MATES  | 5                      | 10,248 | 4.2  | 430 | 5                   | 9,715  | 369  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 533    | 61   |  |               |     |
| 122485           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 12,58    |                            | 5  | NDN-AI DAUGHTERS | 9                      | 10,414 | 3.9  | 408 |                     |        |      |  |               |     |
|                  |                            | 5  | WITH HERD-MATES  | 9                      | 10,414 | 3.9  | 408 | 29                  | 9,786  | 381  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 628    | 27   |  |               |     |
| 122610           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| AI STUO, 21-01   | LISTED, 05-64              | 10 | AI DAUGHTERS-09  | 10                     | 9,172  | 3.6  | 333 |                     |        |      |  |               |     |
| STATES- 12,13,21 |                            | 10 | WITH HERD-MATES  | 10                     | 9,172  | 3.6  | 333 | 13                  | 9,667  | 395  |  | 9,507         | 367 |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 495-   | 62-  |  |               |     |
| 122788           | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 31       |                            | 5  | NDN-AI DAUGHTERS | 5                      | 11,504 | 3.8  | 436 |                     |        |      |  |               |     |
|                  |                            | 5  | WITH HERD-MATES  | 5                      | 11,504 | 3.8  | 436 | 9                   | 11,018 | 434  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 486    | 2    |  |               |     |
| 010118062        | .....                      |    |                  |                        |        |      |     |                     |        |      |  |               |     |
| STATES- 32       |                            | 8  | NDN-AI DAUGHTERS | 8                      | 12,696 | 3.7  | 473 |                     |        |      |  |               |     |
|                  |                            | 8  | WITH HERD-MATES  | 8                      | 12,696 | 3.7  | 473 | 6                   | 11,083 | 427  |  |               |     |
|                  |                            |    |                  |                        |        |      |     | DIFF.               | 1613   | 46   |  |               |     |

## SIRE OF OHIA DAUGHTERS

| AYRSHIRE   |                     | AV. PRODUCTION OF OAU. |       |      |     | ADJ. HERO-MATES AV. |       |     | PREOICTEO AV. |     |
|------------|---------------------|------------------------|-------|------|-----|---------------------|-------|-----|---------------|-----|
|            |                     | RECOROS                | MILK  | TEST | FAT | AV.                 | MILK  | FAT | MILK          | FAT |
|            |                     | NUMBER                 | LB    | %    | LB  | NUMBER              | LB    | LB  | LB            | LB  |
| 13WAC0769  | .....               |                        |       |      |     |                     |       |     |               |     |
|            | 10 NON-AI DAUGHTERS | 14                     | 8,415 | 4.0  | 336 |                     |       |     |               |     |
|            | 9 WITH HERD-MATES   | 13                     | 8,436 | 4.0  | 340 |                     |       |     |               |     |
| STATES- 13 | LISTED, 08-62       |                        |       |      |     | 7                   | 8,632 | 330 |               |     |
|            |                     |                        |       |      |     | OIFF.               | 196-  | 10  |               |     |

## SIREs OF DHIA DAUGHTERS

| GUERNSEY                       |                                    |     |                  |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|--------------------------------|------------------------------------|-----|------------------|-----|------------------------|---------------------|---------------|
|                                |                                    |     |                  |     | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT      |
|                                |                                    |     |                  |     | NUMBER LB % LB         | NUMBER LB LB        | L8 L8         |
| 303094                         | BLAKEFDRD WILMER.....              |     |                  |     |                        |                     |               |
| 05-04-41                       | 206846 414141                      | 19  | AI DAUGHTERS-01  | 37  | 7,741                  | 4.6                 | 359           |
| AI STUD, 35-14                 |                                    | 1   | WITH HERD-MATES  | 7   | 8,169                  | 5.2                 | 422           |
| STATES- 35,42                  |                                    |     |                  |     |                        |                     |               |
|                                |                                    |     |                  |     |                        | 8                   | 8,580 412     |
|                                |                                    |     |                  |     |                        | DIFF.               | 417- 8        |
| 366137                         | KLDNDIKE HDLLIRAIDER.....          |     |                  |     |                        |                     |               |
| 12-03-44                       | 237473 611469                      | 32  | NDN-AI DAUGHTERS | 69  | 8,252                  | 4.7                 | 390           |
| STATES- 52,55,56,57,58,65,74   |                                    | 21  | WITH HERD-MATES  | 49  | 8,613                  | 4.7                 | 406           |
|                                |                                    |     |                  |     |                        | 33                  | 8,686 415     |
|                                |                                    |     |                  |     |                        | DIFF.               | 73- 9-        |
| 370904                         | FANNING FIELDS MAXIM NDAH.....     |     |                  |     |                        |                     |               |
| 02-08-45                       | 296660 517572                      | 54  | NDN-AI DAUGHTERS | 142 | 8,006                  | 4.6                 | 370           |
| STATES- 13,33,35,55,56,64      |                                    | 50  | WITH HERD-MATES  | 137 | 7,995                  | 4.6                 | 370           |
|                                |                                    |     |                  |     |                        | 13                  | 8,368 396     |
|                                |                                    |     |                  |     |                        | DIFF.               | 373- 26-      |
| 386844                         | HDRSE SHDE CDNRAD-S BDSWELL.....   |     |                  |     |                        |                     |               |
| 01-21-46                       | 301376 635601                      | 39  | NON-AI DAUGHTERS | 74  | 9,144                  | 4.8                 | 441           |
|                                | LISTED, 08-62                      | 33  | WITH HERD-MATES  | 63  | 9,193                  | 4.8                 | 442           |
| STATES- 11,12,14,15,16,22,31,  |                                    |     |                  |     |                        | 19                  | 9,465 456     |
| 33,41,43,51,52,55,58           |                                    |     |                  |     |                        | DIFF.               | 272- 14-      |
| 390985                         | HERCULES OF MEADW SPRING FARM..... |     |                  |     |                        |                     |               |
| 10-09-43                       | 269926 573284                      | 16  | NDN-AI DAUGHTERS | 66  | 10,930                 | 4.5                 | 493           |
| STATES- 31                     |                                    | 16  | WITH HERD-MATES  | 66  | 10,930                 | 4.5                 | 493           |
|                                |                                    |     |                  |     |                        | 8                   | 10,134 477    |
|                                |                                    |     |                  |     |                        | DIFF.               | 796 16        |
| 399470                         | DUKES DALE RDYAL DDN.....          |     |                  |     |                        |                     |               |
| 08-28-46                       | 215476 526032                      | 9   | NDN-AI DAUGHTERS | 12  | 6,336                  | 4.7                 | 297           |
|                                | LISTED, 08-62                      | 5   | WITH HERD-MATES  | 7   | 7,237                  | 4.7                 | 343           |
| STATES- 56,58                  |                                    |     |                  |     |                        | 37                  | 7,030 326     |
|                                |                                    |     |                  |     |                        | DIFF.               | 207 17        |
| 414063                         | CDWHAM FARM RDSER REX.....         |     |                  |     |                        |                     |               |
| 09-01-47                       | 340083 653415                      | 21  | NDN-AI DAUGHTERS | 45  | 8,482                  | 4.6                 | 394           |
| STATES- 33,34                  |                                    | 17  | WITH HERD-MATES  | 33  | 8,752                  | 4.6                 | 401           |
|                                |                                    |     |                  |     |                        | 9                   | 8,885 437     |
|                                |                                    |     |                  |     |                        | DIFF.               | 133- 36-      |
| 421105                         | WDDDACRES RDYAL BARDN.....         |     |                  |     |                        |                     |               |
| 06-15-47                       | 380150 639815                      | 220 | AI DAUGHTERS-25* | 477 | 7,958                  | 4.8                 | 384           |
| AI STUD, 23-05 LISTED, 05-64   |                                    | 197 | WITH HERD-MATES  | 430 | 8,004                  | 4.9                 | 389           |
| STATES- 23                     |                                    |     |                  |     |                        | 9                   | 8,459 407     |
|                                |                                    |     |                  |     |                        | DIFF.               | 455- 18-      |
| 422711                         | HDMINY HILL CHAMPIDN.....          |     |                  |     |                        |                     |               |
| 02-03-48                       | 240947 839586                      | 1   | AI DAUGHTERS-01  |     |                        |                     |               |
| AI STUD, 33-03 LISTED, 08-63   |                                    | 1   | WITH HERD-MATES  |     |                        |                     |               |
| STATES- 14,16,22,23,31,32,34,  |                                    |     |                  |     |                        |                     |               |
| 43,51,52,56,63,71,72,74,86,91, |                                    | 57  | NDN-AI DAUGHTERS | 107 | 10,351                 | 4.7                 | 486           |
| 93                             |                                    | 52  | WITH HERD-MATES  | 97  | 10,541                 | 4.7                 | 493           |
|                                |                                    |     |                  |     |                        | 30                  | 9,920 481     |
|                                |                                    |     |                  |     |                        | DIFF.               | 621 12        |
| 423028                         | NYALA PRINCE VICTDR.....           |     |                  |     |                        |                     |               |
| 01-15-48                       | 389915 972346                      | 16  | AI DAUGHTERS-07  | 41  | 9,108                  | 4.8                 | 437           |
| AI STUD, 35-03                 |                                    | 16  | WITH HERD-MATES  | 41  | 9,108                  | 4.8                 | 437           |
| STATES- 35                     |                                    |     |                  |     |                        | 12                  | 8,801 417     |
|                                |                                    |     |                  |     |                        | DIFF.               | 307 20        |
|                                |                                    |     |                  |     |                        | 6                   | 7,813 386     |
|                                |                                    |     |                  |     |                        | DIFF.               | 1055- 29-     |
| 428703                         | UBILLA VANLAD.....                 |     |                  |     |                        |                     |               |
| 09-23-47                       | 368548 903898                      | 15  | AI DAUGHTERS-08  | 30  | 9,728                  | 4.6                 | 444           |
| AI STUD, 35-75                 |                                    | 15  | WITH HERD-MATES  | 28  | 9,745                  | 4.6                 | 445           |
| STATES- 33,81,82,87,91,92      |                                    |     |                  |     |                        | 12                  | 9,329 438     |
|                                |                                    |     |                  |     |                        | DIFF.               | 416 7         |
|                                |                                    | 20  | NDN-AI DAUGHTERS | 69  | 9,179                  | 4.7                 | 431           |
|                                |                                    | 20  | WITH HERD-MATES  | 67  | 9,167                  | 4.7                 | 431           |
|                                |                                    |     |                  |     |                        | 9                   | 8,940 429     |
|                                |                                    |     |                  |     |                        | DIFF.               | 227 2         |
| 431647                         | HDMINY HILL CORDNATION PRINCE..... |     |                  |     |                        |                     |               |
| 05-22-48                       | 250949 615412                      | 32  | NDN-AI DAUGHTERS | 83  | 8,339                  | 5.0                 | 416           |
| AI STUD, 33-03 LISTED, 05-64   |                                    | 23  | WITH HERD-MATES  | 68  | 8,361                  | 4.9                 | 411           |
| STATES- 14,16,22,23,32,51,63,  |                                    |     |                  |     |                        | 24                  | 8,987 434     |
| 64,65,71,72,73                 |                                    |     |                  |     |                        | DIFF.               | 626- 23-      |
| 432005                         | IDEAL-S MAIN STAY.....             |     |                  |     |                        |                     |               |
| 08-19-47                       | 236556 400640                      | 38  | NDN-AI DAUGHTERS | 85  | 8,509                  | 4.9                 | 413           |
| STATES- 11,13,14,16,21,22,23,  |                                    | 25  | WITH HERD-MATES  | 56  | 8,028                  | 4.8                 | 386           |
| 50,51,52,55,72,74              |                                    |     |                  |     |                        | 18                  | 8,145 382     |
|                                |                                    |     |                  |     |                        | DIFF.               | 117- 4        |
| 432882                         | LDCUST GRDVE I. ACE.....           |     |                  |     |                        |                     |               |
| 08-19-48                       | 362356 702106                      | 462 | AI DAUGHTERS-25* | 821 | 8,635                  | 4.6                 | 401           |
| AI STUD, 23-05 LISTED, 05-64   |                                    | 436 | WITH HERD-MATES  | 777 | 8,721                  | 4.6                 | 405           |
| STATES- 23,51,58               |                                    |     |                  |     |                        | 11                  | 8,633 416     |
|                                |                                    |     |                  |     |                        | DIFF.               | 88 11-        |
| 434533                         | R. F.-S MELDDY CARDL.....          |     |                  |     |                        |                     |               |
| 10-03-48                       | 275696 775040                      | 9   | NDN-AI DAUGHTERS | 13  | 8,754                  | 4.7                 | 415           |
|                                | LISTED, 01-63                      | 8   | WITH HERD-MATES  | 11  | 8,798                  | 4.7                 | 417           |
| STATES- 23,31                  |                                    |     |                  |     |                        | 22                  | 9,027 432     |
|                                |                                    |     |                  |     |                        | DIFF.               | 229- 15-      |
| 435174                         | DEERSHRN FAITH-S FDREMDST.....     |     |                  |     |                        |                     |               |
| 10-04-48                       | 258935 1035953                     | 14  | AI DAUGHTERS-12  | 21  | 8,757                  | 4.9                 | 430           |
| AI STUD, 16-04 LISTED, 08-62   |                                    | 14  | WITH HERD-MATES  | 21  | 8,757                  | 4.9                 | 430           |
| STATES- 11,12,13,14,16         |                                    |     |                  |     |                        | 13                  | 8,918 424     |
|                                |                                    |     |                  |     |                        | DIFF.               | 161- 6        |
|                                |                                    |     |                  |     |                        | 27                  | 9,985 504     |
|                                |                                    | 25  | WITH HERD-MATES  | 61  | 9,980                  | 5.0                 | 502           |
|                                |                                    |     |                  |     |                        | 10                  | 10,520 516    |
|                                |                                    |     |                  |     |                        | DIFF.               | 540- 14-      |
| 435937                         | TARBELL LUCIA-S KING.....          |     |                  |     |                        |                     |               |
| 03-07-48                       | 393390 979126                      | 36  | NDN-AI DAUGHTERS | 104 | 9,431                  | 4.6                 | 435           |
| STATES- 21                     |                                    | 15  | WITH HERD-MATES  | 57  | 9,594                  | 4.6                 | 442           |
|                                |                                    |     |                  |     |                        | 15                  | 9,406 441     |
|                                |                                    |     |                  |     |                        | DIFF.               | 188 1         |
| 440484                         | LANGMEADDW MAGAR.....              |     |                  |     |                        |                     |               |
| 12-05-48                       | 327238 931270                      | 339 | AI DAUGHTERS-25* | 554 | 9,676                  | 4.9                 | 474           |
| AI STUD, 34-01 LISTED, 05-64   |                                    | 335 | WITH HERD-MATES  | 546 | 9,703                  | 4.9                 | 474           |
| STATES- 14,23,31,32,33,34,35,  |                                    |     |                  |     |                        | 17                  | 9,436 462     |
| 41,48,51,55,56,65,71,86,91     |                                    | 19  | NON-AI DAUGHTERS | 62  | 11,297                 | 4.8                 | 545           |
|                                |                                    | 16  | WITH HERD-MATES  | 55  | 11,570                 | 4.8                 | 561           |
|                                |                                    |     |                  |     |                        | 17                  | 10,072 499    |
|                                |                                    |     |                  |     |                        | DIFF.               | 1498 62       |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY  | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES AV. |            |           |            | PREDICTED AV. |  |
|---|------------------------|------------------|-----------|-----------|---------------------|------------|-----------|------------|---------------|--|
|   | RECORDS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB | FAT<br>LB     |  |
| 440729 .....                                      |                        |                  |           |           |                     |            |           |            |               |  |
| STATES- 21  | 6                      | NDN-AI DAUGHTERS | 7         | 6,959     | 4.6                 | 321        |           |            |               |  |
|   | 5                      | WITH HERD-MATES  | 6         | 7,135     | 4.7                 | 333        | 4         | 7,740      | 358           |  |
|   |                        |                  |           |           |                     |            | DIFF.     | 605-       | 25-           |  |
| 440747 LOCUST GROVE H. SOVEREIGN.....             |                        |                  |           |           |                     |            |           |            |               |  |
| 02-03-49 376464 812708 1156 AI DAUGHTERS-25*      | 2298                   | 8,654            | 4.8       | 415       |                     |            |           |            |               |  |
| AI STUD, 23-05 LISTED, 05-64 1112 WITH HERD-MATES | 2192                   | 8,659            | 4.8       | 416       | 10                  | 8,804      | 420       | 8,486      | 408           |  |
| STATES- 23,51,64                                  |                        |                  |           |           | DIFF.               | 145-       | 4-        |            |               |  |
| 444709 MDREAU FARMS CRUSADER.....                 |                        |                  |           |           |                     |            |           |            |               |  |
| 01-03-49 298216 593508 49 NDN-AI DAUGHTERS        | 126                    | 9,169            | 4.6       | 425       |                     |            |           |            |               |  |
| STATES- 12,21,23                                  | 26                     | WITH HERD-MATES  | 77        | 10,455    | 4.6                 | 485        | 13        | 9,872      | 470           |  |
|   |                        |                  |           |           |                     |            | DIFF.     | 583        | 15            |  |
| 445765 FRANCHESTER FREE STERLING.....             |                        |                  |           |           |                     |            |           |            |               |  |
| 01-13-49 288588 621640 197 AI DAUGHTERS-25*       | 326                    | 8,200            | 4.8       | 395       |                     |            |           |            |               |  |
| AI STUD, 31-01 LISTED, 05-64 185 WITH HERD-MATES  | 304                    | 8,216            | 4.8       | 396       | 19                  | 8,708      | 404       | 8,161      | 403           |  |
| STATES- 16,23,31,32,34,56,58,                     |                        |                  |           |           | DIFF.               | 492-       | 8-        |            |               |  |
| 64,65,72,74,84,85                                 | 15                     | NDN-AI DAUGHTERS | 44        | 8,830     | 4.6                 | 407        |           |            |               |  |
|   | 11                     | WITH HERD-MATES  | 36        | 9,461     | 4.6                 | 438        | 28        | 9,184      | 443           |  |
|   |                        |                  |           |           |                     |            | DIFF.     | 277        | 5-            |  |
| 446064 .....                                      |                        |                  |           |           |                     |            |           |            |               |  |
| STATES- 31  | 5                      | NDN-AI DAUGHTERS | 7         | 8,097     | 4.8                 | 391        |           |            |               |  |
|   | 4                      | WITH HERD-MATES  | 6         | 8,071     | 4.8                 | 388        | 15        | 9,070      | 434           |  |
|   |                        |                  |           |           |                     |            | DIFF.     | 999-       | 46-           |  |
| 446239 .....                                      |                        |                  |           |           |                     |            |           |            |               |  |
| STATES- 33,35                                     | 12                     | NDN-AI DAUGHTERS | 37        | 9,742     | 4.7                 | 459        |           |            |               |  |
|   | 11                     | WITH HERD-MATES  | 33        | 9,914     | 4.7                 | 462        | 7         | 9,321      | 439           |  |
|   |                        |                  |           |           |                     |            | DIFF.     | 593        | 23            |  |
| 446983 MCDONALD FARMS PRE NUGGET.....             |                        |                  |           |           |                     |            |           |            |               |  |
| 09-07-48 293925 781929 520 AI DAUGHTERS-25*       | 701                    | 9,115            | 4.8       | 441       |                     |            |           |            |               |  |
| AI STUD, 23-08 LISTED, 03-64 514 WITH HERD-MATES  | 691                    | 9,124            | 4.8       | 441       | 16                  | 9,065      | 437       | 8,711      | 418           |  |
| STATES- 11,12,13,16,21,23,31,                     |                        |                  |           |           | DIFF.               | 59         | 4         |            |               |  |
| 50,51,52,55,58,73,74                              | 33                     | NDN-AI DAUGHTERS | 84        | 9,521     | 4.8                 | 455        |           |            |               |  |
|   | 23                     | WITH HERD-MATES  | 70        | 9,310     | 4.7                 | 439        | 17        | 9,065      | 429           |  |
|   |                        |                  |           |           |                     |            | DIFF.     | 245        | 10            |  |
| 448495 FLYING HORSE FAIR HOLLISTAN.....           |                        |                  |           |           |                     |            |           |            |               |  |
| 06-11-49 294846 819106 102 AI DAUGHTERS-25*       | 155                    | 8,444            | 4.6       | 388       |                     |            |           |            |               |  |
| AI STUD, 12-03 LISTED, 08-63 101 WITH HERD-MATES  | 152                    | 8,474            | 4.6       | 389       | 13                  | 9,015      | 424       | 8,164      | 381           |  |
| STATES- 11,12,13,14,21                            |                        |                  |           |           | DIFF.               | 541-       | 35-       |            |               |  |
|   | 21                     | NDN-AI DAUGHTERS | 39        | 9,586     | 4.7                 | 446        |           |            |               |  |
|   | 20                     | WITH HERD-MATES  | 37        | 9,640     | 4.6                 | 446        | 5         | 9,370      | 445           |  |
|   |                        |                  |           |           |                     |            | DIFF.     | 270        | 1             |  |
| 448633 .....                                      |                        |                  |           |           |                     |            |           |            |               |  |
| STATES- 31,33,35,41,58,64,86                      | 8                      | NDN-AI DAUGHTERS | 24        | 8,605     | 4.9                 | 422        |           |            |               |  |
|   | 7                      | WITH HERD-MATES  | 22        | 8,843     | 4.9                 | 432        | 24        | 9,180      | 442           |  |
|   |                        |                  |           |           |                     |            | DIFF.     | 337-       | 10-           |  |
| 449154 KLDNDIKE RAIDERS BARRISTER.....            |                        |                  |           |           |                     |            |           |            |               |  |
| 03-06-49 366137 662671 17 NDN-AI DAUGHTERS        | 21                     | 6,684            | 4.9       | 326       |                     |            |           |            |               |  |
| LISTED, 03-64 16 WITH HERD-MATES                  | 20                     | 6,763            | 4.9       | 331       | 19                  | 7,316      | 339       |            |               |  |
| STATES- 56,58,64                                  |                        |                  |           |           | DIFF.               | 553-       | 8-        |            |               |  |
| 451755 HEMSLEE FARMS C. J.....                    |                        |                  |           |           |                     |            |           |            |               |  |
| 08-22-48 379458 733005 8 NDN-AI DAUGHTERS         | 30                     | 7,745            | 4.6       | 358       |                     |            |           |            |               |  |
| STATES- 63,65                                     | 8                      | WITH HERD-MATES  | 30        | 7,745     | 4.6                 | 358        | 20        | 7,721      | 369           |  |
|   |                        |                  |           |           |                     |            | DIFF.     | 24         | 11-           |  |
| 452075 B. H. H. VALDRS MAJESTY.....               |                        |                  |           |           |                     |            |           |            |               |  |
| 03-04-49 373823 867551 1196 AI DAUGHTERS-25*      | 2013                   | 8,609            | 4.9       | 425       |                     |            |           |            |               |  |
| AI STUD, 23-08 LISTED, 05-64 1169 WITH HERD-MATES | 1944                   | 8,637            | 4.9       | 426       | 13                  | 8,864      | 426       | 8,411      | 412           |  |
| STATES- 11,13,21,22,23,33,35,                     |                        |                  |           |           | DIFF.               | 227-       |           |            |               |  |
| 48,50,51,54,55,65,72,73,84,86                     | 20                     | NDN-AI DAUGHTERS | 55        | 9,382     | 5.0                 | 468        |           |            |               |  |
|   | 17                     | WITH HERD-MATES  | 48        | 9,178     | 5.0                 | 456        | 10        | 9,409      | 450           |  |
|   |                        |                  |           |           |                     |            | DIFF.     | 231-       | 6             |  |
| 452129 HAVEN HILL MEL8A-S 8ILL.....               |                        |                  |           |           |                     |            |           |            |               |  |
| 05-23-48 341345 875719 9 NDN-AI DAUGHTERS         | 11                     | 8,473            | 4.1       | 344       |                     |            |           |            |               |  |
| LISTED, 03-64 8 WITH HERD-MATES                   | 9                      | 8,896            | 3.9       | 349       | 11                  | 7,983      | 355       |            |               |  |
| STATES- 11  |                        |                  |           |           | DIFF.               | 913        | 6-        |            |               |  |
| 452315 WINDALE ND8LE MAXIM.....                   |                        |                  |           |           |                     |            |           |            |               |  |
| 05-05-49 336645 1011542 8 NDN-AI DAUGHTERS        | 22                     | 7,854            | 4.9       | 388       |                     |            |           |            |               |  |
| LISTED, 08-62 8 WITH HERD-MATES                   | 22                     | 7,854            | 4.9       | 388       | 19                  | 7,868      | 368       |            |               |  |
| STATES- 55,56                                     |                        |                  |           |           | DIFF.               | 14-        | 20        |            |               |  |
| 453762 HDHINY HILL RDSE KING.....                 |                        |                  |           |           |                     |            |           |            |               |  |
| 11-16-49 250949 617243 24 NDN-AI DAUGHTERS        | 62                     | 8,822            | 4.8       | 420       |                     |            |           |            |               |  |
| AI STUD, 33-03 LISTED, 05-64 21 WITH HERD-MATES   | 57                     | 9,114            | 4.8       | 436       | 26                  | 9,407      | 454       |            |               |  |
| STATES- 14,22,23,31,33,43,51,                     |                        |                  |           |           | DIFF.               | 293-       | 18-       |            |               |  |
| 56,64,71,72,74,91                                 |                        |                  |           |           |                     |            |           |            |               |  |
| 453949 QUAIL RDDST GOLDEN CHAMP.....              |                        |                  |           |           |                     |            |           |            |               |  |
| 08-31-49 366535 689846 26 NDN-AI DAUGHTERS        | 48                     | 6,943            | 5.2       | 359       |                     |            |           |            |               |  |
| LISTED, 03-64 25 WITH HERD-MATES                  | 47                     | 6,942            | 5.1       | 357       | 19                  | 7,629      | 377       |            |               |  |
| STATES- 51,55,58                                  |                        |                  |           |           | DIFF.               | 687-       | 20-       |            |               |  |
| 454224 CURTISS CANDY FA8RDN.....                  |                        |                  |           |           |                     |            |           |            |               |  |
| 09-01-49 346065 859759 813 AI DAUGHTERS-25*       | 1852                   | 8,104            | 4.8       | 387       |                     |            |           |            |               |  |
| AI STUD, 33-03 LISTED, 05-64 754 WITH HERD-MATES  | 1750                   | 8,158            | 4.8       | 389       | 12                  | 8,574      | 408       | 8,198      | 392           |  |
| STATES- 11,13,14,16,21,22,23,                     |                        |                  |           |           | DIFF.               | 416-       | 19-       |            |               |  |
| 31,32,33,34,35,41,42,43,45,47,                    |                        |                  |           |           |                     |            |           |            |               |  |
| 48,50,51,52,54,55,56,58,61,63,                    |                        |                  |           |           |                     |            |           |            |               |  |
| 64,65,71,72,73,82,84,85,86,87,                    |                        |                  |           |           |                     |            |           |            |               |  |
| 91,92,93  |                        |                  |           |           |                     |            |           |            |               |  |
| 454261 HDLCOM8-S P. D. FELIX.....                 |                        |                  |           |           |                     |            |           |            |               |  |
| 09-14-49 386015 522694 21 NDN-AI DAUGHTERS        | 34                     | 6,450            | 5.1       | 330       |                     |            |           |            |               |  |
| STATES- 21  | 9                      | WITH HERD-MATES  | 9         | 6,852     | 5.1                 | 348        | 3         | 7,903      | 379           |  |
|   |                        |                  |           |           |                     |            | DIFF.     | 1051-      | 31-           |  |



## SIRE OF DHIA DAUGHTERS

| GUERNSEY                       |                                    |         |      | AV. PRODUCTION OF | DAU. | ADJ. HERD-MATES | AV. | PREDICTED AV. |       |        |     |
|--------------------------------|------------------------------------|---------|------|-------------------|------|-----------------|-----|---------------|-------|--------|-----|
|                                |                                    |         |      | RECORDS           | MILK | TEST            | FAT | MILK          | FAT   | MILK   | FAT |
|                                |                                    |         |      | NUMBER            | LB   | %               | LB  | NUMBER        | LB    | LB     | LB  |
| 454738                         | NEW HOPE FASCINATOR-S RADIANT..... |         |      |                   |      |                 |     |               |       |        |     |
| D8-18-49                       | 371457                             | 785800  | 8    | NON-AI DAUGHTERS  | 19   | 7,089           | 4.6 | 327           |       |        |     |
| STATES- 22,35                  |                                    |         | 8    | WITH HERD-MATES   | 19   | 7,089           | 4.6 | 327           | 8     | 7,180  | 343 |
|                                |                                    |         |      |                   |      |                 |     |               | DIFF. | 91-    | 16- |
| 457544                         | CURTISS CANDY CHIEF JUSTICE.....   |         |      |                   |      |                 |     |               |       |        |     |
| D1-17-50                       | 354224                             | 893644  | 180  | AI DAUGHTERS-25*  | 328  | 7,618           | 4.8 | 366           |       |        |     |
| AI STUD, 33-03                 | LISTED, 08-62                      |         | 170  | WITH HERD-MATES   | 312  | 7,711           | 4.8 | 371           | 12    | 8,406  | 401 |
| STATES- 11,13,14,16,21,22,23,  |                                    |         |      |                   |      |                 |     |               | DIFF. | 695-   | 30- |
| 31,32,33,34,35,41,42,43,51,52, |                                    |         | 5    | NON-AI DAUGHTERS  | 9    | 6,352           | 5.3 | 334           |       |        |     |
| 54,61,65,74,82,84,87,88,91,93  |                                    |         | 2    | WITH HERD-MATES   | 5    | 7,757           | 5.0 | 386           | 6     | 8,639  | 418 |
|                                |                                    |         |      |                   |      |                 |     |               | DIFF. | 882-   | 32- |
| 459262                         | BONNI8ELL SNOW 80Y.....            |         |      |                   |      |                 |     |               |       |        |     |
| 01-14-50                       | 230720                             | 909370  | 35   | NON-AI DAUGHTERS  | 78   | 7,873           | 4.5 | 351           |       |        |     |
| STATES- 92                     | LISTED, 08-62                      |         | 34   | WITH HERD-MATES   | 76   | 7,891           | 4.5 | 352           | 14    | 8,236  | 387 |
|                                |                                    |         |      |                   |      |                 |     |               | DIFF. | 345-   | 35- |
| 459489                         | CURTISS CANDY 8UTTERFINGER.....    |         |      |                   |      |                 |     |               |       |        |     |
| D2-08-50                       | 409032                             | 618836  | 1158 | AI DAUGHTERS-25*  | 3069 | 8,849           | 4.8 | 427           |       |        |     |
| AI STUD, 33-03                 | LISTED, 05-64                      |         | 1051 | WITH HERD-MATES   | 2851 | 8,907           | 4.8 | 430           | 12    | 8,542  | 408 |
| STATES- 11,12,13,14,16,21,22,  |                                    |         |      |                   |      |                 |     |               | DIFF. | 365    | 22  |
| 23,31,32,33,34,35,41,42,43,47, |                                    |         | 13   | NON-AI DAUGHTERS  | 59   | 9,908           | 4.8 | 479           |       |        |     |
| 48,50,51,52,54,55,56,58,61,63, |                                    |         | 12   | WITH HERD-MATES   | 51   | 9,966           | 4.9 | 487           | 13    | 9,075  | 438 |
| 64,65,72,73,74,82,84,86,87,88, |                                    |         |      |                   |      |                 |     |               | DIFF. | 891    | 49  |
| 91,92,93                       |                                    |         |      |                   |      |                 |     |               |       |        |     |
| 460330                         | NODROG MELBAS KING.....            |         |      |                   |      |                 |     |               |       |        |     |
| 11-04-49                       | 416463                             | 1060356 | 23   | NON-AI DAUGHTERS  | 32   | 8,993           | 4.5 | 409           |       |        |     |
| STATES- 21,31                  | LISTED, 08-62                      |         | 20   | WITH HERD-MATES   | 26   | 9,026           | 4.5 | 407           | 10    | 8,535  | 397 |
|                                |                                    |         |      |                   |      |                 |     |               | DIFF. | 491    | 10  |
| 462589                         | HILL GIRT SPARTAN.....             |         |      |                   |      |                 |     |               |       |        |     |
| 01-06-50                       | 342092                             | 819184  | 96   | AI DAUGHTERS-25*  | 198  | 8,065           | 5.0 | 402           |       |        |     |
| AI STUD, 23-05                 | LISTED, D1-63                      |         | 94   | WITH HERD-MATES   | 192  | 8,083           | 5.0 | 404           | 10    | 8,552  | 409 |
| STATES- 23                     |                                    |         |      |                   |      |                 |     |               | DIFF. | 469-   | 5-  |
| 463142                         | NDRVIEW-S IVANHOE.....             |         |      |                   |      |                 |     |               |       |        |     |
| 02-04-50                       | 419988                             | 1088171 | 11   | NON-AI DAUGHTERS  | 22   | 8,181           | 5.0 | 413           |       |        |     |
| STATES- 33                     |                                    |         | 6    | WITH HERD-MATES   | 17   | 8,053           | 5.0 | 401           | 8     | 9,114  | 443 |
|                                |                                    |         |      |                   |      |                 |     |               | DIFF. | 1061-  | 42- |
| 463336                         | MCDONALD FARMS LEPONDER.....       |         |      |                   |      |                 |     |               |       |        |     |
| 02-28-50                       | 423199                             | 934324  | 63   | NON-AI DAUGHTERS  | 130  | 7,730           | 5.0 | 385           |       |        |     |
| STATES- 23                     | LISTED, D1-63                      |         | 63   | WITH HERD-MATES   | 130  | 7,730           | 5.0 | 385           | 7     | 8,110  | 394 |
|                                |                                    |         |      |                   |      |                 |     |               | DIFF. | 380-   | 9-  |
| 464556                         | MCDONALD FARMS DDN-S OXFORD.....   |         |      |                   |      |                 |     |               |       |        |     |
| D7-12-49                       | 387106                             | 721075  | 194  | AI DAUGHTERS-25*  | 343  | 8,769           | 4.7 | 408           |       |        |     |
| AI STUD, 12-03                 | LISTED, D5-64                      |         | 189  | WITH HERD-MATES   | 332  | 8,843           | 4.7 | 412           | 11    | 8,953  | 419 |
| STATES- 11,12,13,14,15,16,21,  |                                    |         |      |                   |      |                 |     |               | DIFF. | 110-   | 7-  |
| 47                             |                                    |         | 15   | NON-AI DAUGHTERS  | 44   | 10,479          | 4.7 | 492           |       |        |     |
|                                |                                    |         | 12   | WITH HERD-MATES   | 41   | 10,857          | 4.7 | 506           | 8     | 10,302 | 507 |
|                                |                                    |         |      |                   |      |                 |     |               | DIFF. | 555    | 1-  |
| 465050                         | .....                              |         |      |                   |      |                 |     |               |       |        |     |
|                                |                                    |         | 5    | NON-AI DAUGHTERS  | 11   | 7,507           | 5.2 | 388           |       |        |     |
| STATES- 55                     |                                    |         | 5    | WITH HERD-MATES   | 11   | 7,507           | 5.2 | 388           | 14    | 8,522  | 415 |
|                                |                                    |         |      |                   |      |                 |     |               | DIFF. | 1015-  | 27- |
| 465460                         | NORMANDY FORECASTER.....           |         |      |                   |      |                 |     |               |       |        |     |
| D4-17-50                       | 319261                             | 706606  | 21   | NON-AI DAUGHTERS  | 36   | 8,132           | 4.9 | 401           |       |        |     |
| STATES- 31,32,33,72            |                                    |         | 13   | WITH HERD-MATES   | 28   | 8,119           | 4.9 | 401           | 14    | 8,388  | 408 |
|                                |                                    |         |      |                   |      |                 |     |               | DIFF. | 269-   | 7-  |
| 465467                         | SKYLINE KING-S BEACON.....         |         |      |                   |      |                 |     |               |       |        |     |
| D2-24-50                       | 372735                             | 1122014 | 8    | AI DAUGHTERS-D5   | 10   | 8,018           | 4.6 | 365           |       |        |     |
| AI STUD, 47-01                 |                                    |         | 7    | WITH HERD-MATES   | 9    | 7,857           | 4.5 | 353           | 8     | 8,438  | 402 |
| STATES- 42,47,48               |                                    |         |      |                   |      |                 |     |               | DIFF. | 581-   | 49- |
|                                |                                    |         | 22   | NON-AI DAUGHTERS  | 67   | 9,354           | 4.7 | 444           |       |        |     |
|                                |                                    |         | 17   | WITH HERD-MATES   | 58   | 9,558           | 4.7 | 453           | 16    | 9,092  | 443 |
|                                |                                    |         |      |                   |      |                 |     |               | DIFF. | 466    | 10  |
| 467224                         | CLA-ORE KNIGHT-S LOREN.....        |         |      |                   |      |                 |     |               |       |        |     |
| D8-24-50                       | 413580                             | 738039  | 314  | AI DAUGHTERS-25*  | 505  | 9,203           | 4.9 | 454           |       |        |     |
| AI STUD, 35-75                 | LISTED, 08-63                      |         | 303  | WITH HERD-MATES   | 488  | 9,191           | 5.0 | 455           | 21    | 9,225  | 442 |
| STATES- 21,23,31,32,33,35,41,  |                                    |         |      |                   |      |                 |     |               | DIFF. | 34-    | 13  |
| 43,48,52,55,57,58,63,64,74,82, |                                    |         | 26   | NON-AI DAUGHTERS  | 79   | 10,617          | 5.0 | 526           |       |        |     |
| 83,85,86,87,91,92,93           |                                    |         | 25   | WITH HERD-MATES   | 77   | 10,646          | 5.0 | 531           | 13    | 10,482 | 510 |
|                                |                                    |         |      |                   |      |                 |     |               | DIFF. | 164    | 21  |
| 467421                         | FRANCHESTER P. WISTAR.....         |         |      |                   |      |                 |     |               |       |        |     |
| D6-20-50                       | 361037                             | 664860  | 60   | NON-AI DAUGHTERS  | 141  | 10,268          | 4.6 | 474           |       |        |     |
| STATES- 31,51,52,55,58         | LISTED, 08-62                      |         | 58   | WITH HERD-MATES   | 138  | 10,318          | 4.6 | 478           | 18    | 10,049 | 485 |
|                                |                                    |         |      |                   |      |                 |     |               | DIFF. | 269    | 7-  |
| 468706                         | WANDAMERE DOUGLAS BERWICK.....     |         |      |                   |      |                 |     |               |       |        |     |
| D1-10-50                       | 249045                             | 959360  | 14   | AI DAUGHTERS-D2   | 20   | 8,097           | 5.1 | 416           |       |        |     |
| AI STUD, 93-10                 | LISTED, 11-63                      |         | 12   | WITH HERD-MATES   | 18   | 8,052           | 5.1 | 414           | 27    | 9,165  | 436 |
| STATES- 93                     |                                    |         |      |                   |      |                 |     |               | DIFF. | 1113-  | 22- |
| 469581                         | IDEALS PEARL KING.....             |         |      |                   |      |                 |     |               |       |        |     |
| D8-29-50                       | 438326                             | 1127026 | 46   | AI DAUGHTERS-11   | 71   | 7,392           | 4.8 | 354           |       |        |     |
| AI STUD, 72-D1                 | LISTED, D1-63                      |         | 45   | WITH HERD-MATES   | 70   | 7,355           | 4.8 | 352           | 48    | 7,526  | 345 |
| STATES- 32,48,61,65,72         |                                    |         |      |                   |      |                 |     |               | DIFF. | 171-   | 7   |
|                                |                                    |         | 8    | NON-AI DAUGHTERS  | 18   | 7,507           | 4.9 | 371           |       |        |     |
|                                |                                    |         | 7    | WITH HERD-MATES   | 15   | 7,596           | 4.9 | 372           | 21    | 7,901  | 391 |
|                                |                                    |         |      |                   |      |                 |     |               | DIFF. | 305-   | 19- |
| 470660                         | .....                              |         |      |                   |      |                 |     |               |       |        |     |
|                                |                                    |         | 5    | NON-AI DAUGHTERS  | 5    | 9,234           | 4.8 | 440           |       |        |     |
| STATES- 34,92                  |                                    |         | 5    | WITH HERD-MATES   | 5    | 9,234           | 4.8 | 440           | 10    | 8,604  | 408 |
|                                |                                    |         |      |                   |      |                 |     |               | DIFF. | 630    | 32  |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY                       |                                    |         |                  | AV. RECORDS      | PRODUCTION MILK LB | OF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|--------------------------------|------------------------------------|---------|------------------|------------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 470662                         | .....                              |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| STATES-                        | 46,91                              | 9       | NON-AI DAUGHTERS | 17               | 9,179              | 5.2       | 479         |                 |                    |            |                   |            |
|                                |                                    | 9       | WITH HERD-MATES  | 17               | 9,179              | 5.2       | 479         | 9               | 9,338              | 446        |                   |            |
|                                |                                    |         |                  |                  |                    |           |             | DIFF.           | 159-               | 33         |                   |            |
| 470666                         | WESTERN GLOW BUTTERFAT FAME.....   |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| 11-03-50                       | 365219                             | 873262  | 185              | AI DAUGHTERS-25* | 362                | 8,911     | 4.8         | 425             |                    |            |                   |            |
| AI STUD, 92-01                 | LISTED, 05-64                      | 163     | WITH HERD-MATES  | 315              | 8,943              | 4.8       | 428         | 11              | 9,120              | 434        | 8,492             | 407        |
| STATES-                        | 92                                 |         |                  |                  |                    |           |             | DIFF.           | 177-               | 6-         |                   |            |
| 471250                         | HILLCREST ANN-S KING.....          |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| 07-10-50                       | 356449                             | 931138  | 24               | NON-AI DAUGHTERS | 72                 | 8,859     | 4.6         | 409             |                    |            |                   |            |
|                                | LISTED, 08-62                      | 21      | WITH HERD-MATES  | 65               | 9,065              | 4.6       | 417         | 11              | 9,300              | 433        |                   |            |
| STATES-                        | 22                                 |         |                  |                  |                    |           |             | DIFF.           | 235-               | 16-        |                   |            |
| 471823                         | MAURANA MASTER-S KEYMAN.....       |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| 11-30-50                       | 385582                             | 810900  | 41               | AI DAUGHTERS-25* | 55                 | 8,016     | 5.0         | 402             |                    |            |                   |            |
| AI STUD, 41-01                 | LISTED, 05-64                      | 33      | WITH HERD-MATES  | 44               | 7,958              | 5.1       | 408         | 12              | 8,550              | 416        | 8,172             | 405        |
| STATES-                        | 32,41,42,45,46,72                  |         |                  |                  |                    |           |             | DIFF.           | 592-               | 8-         |                   |            |
|                                |                                    | 59      | NON-AI DAUGHTERS | 179              | 8,642              | 5.1       | 437         |                 |                    |            |                   |            |
|                                |                                    | 54      | WITH HERD-MATES  | 171              | 8,673              | 5.0       | 435         | 8               | 9,031              | 437        |                   |            |
|                                |                                    |         |                  |                  |                    |           |             | DIFF.           | 358-               | 2-         |                   |            |
| 473225                         | IDEAL-S SUPERLINE.....             |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| 04-09-50                       | 448080                             | 1193761 | 39               | AI DAUGHTERS-19  | 52                 | 8,873     | 4.8         | 429             |                    |            |                   |            |
| AI STUD, 22-01                 | LISTED, 08-63                      | 37      | WITH HERD-MATES  | 50               | 8,961              | 4.8       | 434         | 26              | 9,255              | 444        | 8,437             | 406        |
| STATES-                        | 15,16,21,22,23,33,35,              |         |                  |                  |                    |           |             | DIFF.           | 294-               | 10-        |                   |            |
| 47,51,52,71,88                 |                                    | 35      | NON-AI DAUGHTERS | 79               | 10,304             | 4.9       | 506         |                 |                    |            |                   |            |
|                                |                                    | 32      | WITH HERD-MATES  | 76               | 10,364             | 4.9       | 510         | 24              | 9,918              | 487        |                   |            |
|                                |                                    |         |                  |                  |                    |           |             | DIFF.           | 446                | 23         |                   |            |
| 473837                         | .....                              |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| STATES-                        | 35                                 | 5       | NON-AI DAUGHTERS | 12               | 8,373              | 4.7       | 396         |                 |                    |            |                   |            |
|                                |                                    | 5       | WITH HERD-MATES  | 12               | 8,373              | 4.7       | 396         | 14              | 7,864              | 384        |                   |            |
|                                |                                    |         |                  |                  |                    |           |             | DIFF.           | 509                | 12         |                   |            |
| 474708                         | MCDONALD FARMS PRE PARTNER.....    |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| 11-13-50                       | 293925                             | 643261  | 22               | NON-AI DAUGHTERS | 29                 | 8,573     | 4.8         | 415             |                    |            |                   |            |
| STATES-                        | 34                                 |         | 10               | WITH HERD-MATES  | 12                 | 8,143     | 4.5         | 368             | 10                 | 9,510      | 474               |            |
|                                |                                    |         |                  |                  |                    |           |             | DIFF.           | 1367-              | 106-       |                   |            |
| 474857                         | .....                              |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| STATES-                        | 41                                 | 12      | NON-AI DAUGHTERS | 24               | 7,808              | 4.9       | 386         |                 |                    |            |                   |            |
|                                |                                    | 11      | WITH HERD-MATES  | 23               | 7,707              | 5.0       | 386         | 7               | 8,427              | 403        |                   |            |
|                                |                                    |         |                  |                  |                    |           |             | DIFF.           | 720-               | 17-        |                   |            |
| 475534                         | WILLOW VIEW MCBETH.....            |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| 01-02-51                       | 446986                             | 1251684 | 8                | NON-AI DAUGHTERS | 12                 | 7,170     | 4.5         | 320             |                    |            |                   |            |
|                                | LISTED, 08-63                      | 6       | WITH HERD-MATES  | 10               | 8,155              | 4.6       | 373         | 16              | 8,205              | 388        |                   |            |
| STATES-                        | 65,74                              |         |                  |                  |                    |           |             | DIFF.           | 50-                | 15-        |                   |            |
| 475595                         | YELLOW CREEK JEWEL SUPREME.....    |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| 10-31-50                       | 418022                             | 913505  | 876              | AI DAUGHTERS-25* | 1426               | 10,061    | 4.9         | 491             |                    |            |                   |            |
| AI STUD, 34-01                 | LISTED, 05-64                      | 843     | WITH HERD-MATES  | 1361             | 10,079             | 4.9       | 493         | 13              | 9,314              | 453        | 9,427             | 454        |
| STATES-                        | 13,14,15,16,21,22,23,              |         |                  |                  |                    |           |             | DIFF.           | 765                | 40         |                   |            |
| 31,32,33,34,35,41,43,45,48,51, |                                    | 45      | NON-AI DAUGHTERS | 143              | 11,604             | 5.1       | 597         |                 |                    |            |                   |            |
| 55,56,58,61,65,72,74,84,93     |                                    | 42      | WITH HERD-MATES  | 134              | 11,659             | 5.2       | 601         | 11              | 9,922              | 501        |                   |            |
|                                |                                    |         |                  |                  |                    |           |             | DIFF.           | 1737               | 100        |                   |            |
| 476495                         | DORAL FARM CHALLENGER LINCOLN..... |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| 02-15-51                       | 422712                             | 987958  | 34               | AI DAUGHTERS-25* | 37                 | 9,702     | 4.9         | 476             |                    |            |                   |            |
| AI STUD, 35-75                 | LISTED, 08-63                      | 34      | WITH HERD-MATES  | 37               | 9,702              | 4.9       | 476         | 20              | 9,819              | 478        | 8,612             | 415        |
| STATES-                        | 16,21,23,32,35,41,48,              |         |                  |                  |                    |           |             | DIFF.           | 117-               | 2-         |                   |            |
| 86,87,92                       |                                    | 37      | NON-AI DAUGHTERS | 93               | 10,457             | 5.0       | 523         |                 |                    |            |                   |            |
|                                |                                    | 36      | WITH HERD-MATES  | 88               | 10,525             | 5.0       | 528         | 7               | 10,028             | 503        |                   |            |
|                                |                                    |         |                  |                  |                    |           |             | DIFF.           | 497                | 25         |                   |            |
| 476639                         | .....                              |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| STATES-                        | 11                                 | 5       | NON-AI DAUGHTERS | 5                | 8,114              | 4.9       | 398         |                 |                    |            |                   |            |
|                                |                                    | 5       | WITH HERD-MATES  | 5                | 8,114              | 4.9       | 398         | 5               | 8,296              | 399        |                   |            |
|                                |                                    |         |                  |                  |                    |           |             | DIFF.           | 182-               | 1-         |                   |            |
| 477761                         | MCDONALD FARMS LE PATRIOT.....     |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| 10-09-50                       | 423199                             | 949428  | 104              | AI DAUGHTERS-25* | 146                | 7,844     | 5.0         | 395             |                    |            |                   |            |
| AI STUD, 41-01                 | LISTED, 05-64                      | 100     | WITH HERD-MATES  | 138              | 7,901              | 5.0       | 397         | 10              | 8,435              | 403        | 8,119             | 405        |
| STATES-                        | 32,34,35,41,42,45,46,              |         |                  |                  |                    |           |             | DIFF.           | 534-               | 6-         |                   |            |
| 74                             |                                    | 36      | NON-AI DAUGHTERS | 78               | 8,856              | 5.1       | 451         |                 |                    |            |                   |            |
|                                |                                    | 28      | WITH HERD-MATES  | 62               | 8,998              | 5.1       | 462         | 6               | 9,600              | 461        |                   |            |
|                                |                                    |         |                  |                  |                    |           |             | DIFF.           | 602-               | 1          |                   |            |
| 478410                         | BRAYS ISLAND HORNET.....           |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| 01-09-51                       | 376747                             | 985110  | 31               | NON-AI DAUGHTERS | 74                 | 8,620     | 4.9         | 424             |                    |            |                   |            |
|                                | LISTED, 08-62                      | 31      | WITH HERD-MATES  | 73               | 8,633              | 4.9       | 425         | 18              | 9,195              | 434        |                   |            |
| STATES-                        | 23,51                              |         |                  |                  |                    |           |             | DIFF.           | 562-               | 9-         |                   |            |
| 478506                         | YELLOW CREEK LADY-S GENERAL.....   |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| 01-20-51                       | 418022                             | 461860  | 151              | AI DAUGHTERS-25* | 293                | 8,755     | 4.7         | 415             |                    |            |                   |            |
| AI STUD, 12-03                 | LISTED, 05-64                      | 126     | WITH HERD-MATES  | 251              | 8,908              | 4.7       | 422         | 14              | 8,783              | 412        | 8,738             | 420        |
| STATES-                        | 11,12,13,14,15,16,34,              |         |                  |                  |                    |           |             | DIFF.           | 125                | 10         |                   |            |
| 55                             |                                    |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| 478611                         | HI-CARBON GLADIOLA-S MISCHIEF..... |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| 12-06-50                       | 412309                             | 867284  | 50               | NON-AI DAUGHTERS | 102                | 9,030     | 5.3         | 477             |                    |            |                   |            |
|                                | LISTED, 08-62                      | 45      | WITH HERD-MATES  | 97               | 9,316              | 5.3       | 490         | 39              | 9,816              | 495        |                   |            |
| STATES-                        | 22,23,73                           |         |                  |                  |                    |           |             | DIFF.           | 500-               | 5-         |                   |            |
| 478679                         | BROWNIE-S FARM-S ROCKY.....        |         |                  |                  |                    |           |             |                 |                    |            |                   |            |
| 02-20-51                       | 421937                             | 853585  | 75               | AI DAUGHTERS-25* | 105                | 8,834     | 4.8         | 422             |                    |            |                   |            |
| AI STUD, 35-75                 | LISTED, 08-63                      | 73      | WITH HERD-MATES  | 103              | 8,847              | 4.8       | 422         | 17              | 9,100              | 431        | 8,436             | 405        |
| STATES-                        | 16,34,35,41,42,52,57,              |         |                  |                  |                    |           |             | DIFF.           | 253-               | 9-         |                   |            |
| 58,74,82,84,86,87,91,92,93     |                                    | 13      | NON-AI DAUGHTERS | 34               | 10,323             | 5.0       | 513         |                 |                    |            |                   |            |
|                                |                                    | 13      | WITH HERD-MATES  | 34               | 10,323             | 5.0       | 513         | 14              | 10,966             | 534        |                   |            |
|                                |                                    |         |                  |                  |                    |           |             | DIFF.           | 643-               | 21-        |                   |            |

## SIREs OF DHIA DAUGHTERS

| SIRE'S OF DATA DAUGHTERS |                                      |               |    | AV. RECD RDS    | PRODUCTION OF MILK LB | OF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERO-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|--------------------------|--------------------------------------|---------------|----|-----------------|-----------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| GUERNSEY                 |                                      |               |    |                 |                       |           |             |                 |                    |            |                   |            |
| 479040                   | .....                                |               |    | 12              | NON-AI DAUGHTERS      | 23        | 6,221       | 4.7             | 295                |            |                   |            |
| STATES-                  | 21                                   |               | 3  | WITH HERD-MATES | 10                    | 7,797     | 4.8         | 376             | 7                  | 9,423      | 456               |            |
|                          |                                      |               |    |                 |                       |           |             |                 | OIFF.              | 1626-      | 80-               |            |
| 480123                   | FAIRLAWN ERMINES KING.....           |               |    | 15              | NDN-AI DAUGHTERS      | 23        | 10,883      | 4.8             | 527                |            |                   |            |
| 10-12-50                 | 297107                               | 662789        |    | 14              | WITH HERD-MATES       | 21        | 10,875      | 4.9             | 531                | 10         | 11,098            | 551        |
| STATES-                  | 11,16,23,43,86,92                    |               |    |                 |                       |           |             |                 | DIFF.              | 223-       | 20-               |            |
| 480375                   | HDMINY HILL CAVALIER.....            |               |    | 48              | AI DAUGHTERS-25       | 68        | 8,336       | 5.1             | 424                |            |                   |            |
| 07-10-51                 | 431647                               | 959401        |    | 46              | WITH HERD-MATES       | 66        | 8,418       | 5.1             | 427                | 28         | 9,300             | 460        |
| AI STUD,                 | 22-03                                | LISTED, 05-64 |    |                 |                       |           |             |                 | DIFF.              | 882-       | 33-               | 7,967 389  |
| STATES-                  | 21,22,23,56                          |               |    | 25              | NDN-AI DAUGHTERS      | 70        | 9,623       | 5.0             | 480                |            |                   |            |
|                          |                                      |               |    | 21              | WITH HERD-MATES       | 65        | 9,842       | 5.0             | 490                | 9          | 9,414             | 454        |
|                          |                                      |               |    |                 |                       |           |             |                 | OIFF.              | 428        | 36                |            |
| 480897                   | TARBELL VALRDYAL LAVAL.....          |               |    | 17              | NDN-AI DAUGHTERS      | 28        | 7,768       | 4.6             | 354                |            |                   |            |
| 03-16-51                 | 453357                               | 1098708       |    | 15              | WITH HERD-MATES       | 24        | 7,713       | 4.5             | 348                | 4          | 7,587             | 349        |
| STATES-                  | 21                                   |               |    |                 |                       |           |             |                 | DIFF.              | 126        | 1-                |            |
| 481335                   | .....                                |               |    | 22              | NDN-AI DAUGHTERS      | 47        | 10,121      | 4.5             | 458                |            |                   |            |
| STATES-                  | 31                                   |               | 22 | WITH HERD-MATES | 47                    | 10,121    | 4.5         | 458             | 11                 | 9,652      | 459               |            |
|                          |                                      |               |    |                 |                       |           |             |                 | DIFF.              | 469        | 1-                |            |
| 482596                   | .....                                |               |    | 7               | NDN-AI DAUGHTERS      | 7         | 6,436       | 5.0             | 321                |            |                   |            |
| STATES-                  | 23                                   |               | 7  | WITH HERD-MATES | 7                     | 6,436     | 5.0         | 321             | 11                 | 7,043      | 340               |            |
|                          |                                      |               |    |                 |                       |           |             |                 | OIFF.              | 607-       | 19-               |            |
| 482662                   | .....                                |               |    | 5               | NDN-AI DAUGHTERS      | 6         | 7,683       | 4.7             | 358                |            |                   |            |
| STATES-                  | 22,31                                |               | 2  | WITH HERD-MATES | 2                     | 7,650     | 4.7         | 359             | 5                  | 8,378      | 389               |            |
|                          |                                      |               |    |                 |                       |           |             |                 | DIFF.              | 728-       | 30-               |            |
| 483126                   | LANGWATER DEERSHDORN.....            |               |    | 129             | AI DAUGHTERS-25*      | 136       | 9,132       | 4.5             | 409                |            |                   |            |
| 10-10-51                 | 424926                               | 576478        |    | 127             | WITH HERD-MATES       | 133       | 9,104       | 4.5             | 408                | 15         | 8,740             | 427        |
| AI STUD,                 | 51-02                                | LISTED, 05-64 |    |                 |                       |           |             |                 | DIFF.              | 364        | 19-               | 8,952 396  |
| STATES-                  | 12,14,16,23,51,52,54, 55,58,73       |               |    | 29              | NDN-AI DAUGHTERS      | 101       | 11,444      | 4.7             | 534                |            |                   |            |
|                          |                                      |               |    | 28              | WITH HERD-MATES       | 97        | 11,520      | 4.7             | 538                | 9          | 10,355            | 513        |
|                          |                                      |               |    |                 |                       |           |             |                 | DIFF.              | 1165       | 25                |            |
| 483854                   | QUINCY CAVALIER.....                 |               |    | 16              | AI DAUGHTERS-13       | 22        | 7,638       | 4.8             | 369                |            |                   |            |
| 09-25-51                 | 448935                               | 760074        |    | 15              | WITH HERD-MATES       | 19        | 7,610       | 4.9             | 370                | 14         | 8,191             | 391        |
| AI STUD,                 | 63-01                                | LISTED, 05-64 |    |                 |                       |           |             |                 | OIFF.              | 581-       | 21-               | 8,266 398  |
| STATES-                  | 23,54,63                             |               |    | 19              | NDN-AI DAUGHTERS      | 37        | 7,680       | 5.0             | 384                |            |                   |            |
|                          |                                      |               |    | 15              | WITH HERD-MATES       | 33        | 7,849       | 5.0             | 390                | 10         | 8,401             | 414        |
|                          |                                      |               |    |                 |                       |           |             |                 | DIFF.              | 552-       | 24-               |            |
| 484048                   | .....                                |               |    | 5               | NDN-AI DAUGHTERS      | 10        | 8,698       | 4.6             | 399                |            |                   |            |
| STATES-                  | 23                                   |               | 5  | WITH HERD-MATES | 9                     | 8,848     | 4.6         | 406             | 5                  | 8,133      | 384               |            |
|                          |                                      |               |    |                 |                       |           |             |                 | DIFF.              | 715        | 22                |            |
| 484094                   | DIMPLE CURTISS OF IDCHR ACRES.....   |               |    | 37              | AI DAUGHTERS-25       | 55        | 8,187       | 5.1             | 416                |            |                   |            |
| 08-13-51                 | 433384                               | 874885        |    | 36              | WITH HERD-MATES       | 53        | 8,264       | 5.1             | 420                | 11         | 8,511             | 421        |
| AI STUD,                 | 41-01                                | LISTED, 05-64 |    |                 |                       |           |             |                 | OIFF.              | 247-       | 1-                | 8,416 411  |
| STATES-                  | 41,42,45                             |               |    | 18              | NON-AI DAUGHTERS      | 79        | 9,429       | 4.9             | 460                |            |                   |            |
|                          |                                      |               |    | 18              | WITH HERD-MATES       | 77        | 9,461       | 4.9             | 460                | 7          | 9,367             | 444        |
|                          |                                      |               |    |                 |                       |           |             |                 | DIFF.              | 94         | 16                |            |
| 484916                   | FLYING HORSE FLUTE-S TRUMPETER.....  |               |    | 263             | AI DAUGHTERS-25*      | 346       | 8,780       | 4.6             | 406                |            |                   |            |
| 07-20-51                 | 423086                               | 1002794       |    | 239             | WITH HERD-MATES       | 318       | 8,849       | 4.6             | 410                | 22         | 8,855             | 411        |
| AI STUD,                 | 31-02                                | LISTED, 05-64 |    |                 |                       |           |             |                 | OIFF.              | 6-         | 1-                | 8,627 410  |
| STATES-                  | 13,14,23,31,32,43,55, 56,58,63,64,84 |               |    | 34              | NON-AI DAUGHTERS      | 96        | 10,423      | 4.8             | 503                |            |                   |            |
|                          |                                      |               |    | 33              | WITH HERD-MATES       | 93        | 10,460      | 4.8             | 504                | 8          | 9,804             | 473        |
|                          |                                      |               |    |                 |                       |           |             |                 | DIFF.              | 656        | 31                |            |
| 484917                   | FLYING HORSE PRIM-S MASTER.....      |               |    | 26              | NON-AI DAUGHTERS      | 85        | 10,193      | 4.8             | 490                |            |                   |            |
| 08-20-51                 | 428378                               | 614628        |    | 25              | WITH HERD-MATES       | 83        | 10,160      | 4.8             | 490                | 19         | 10,022            | 485        |
| STATES-                  | 14                                   |               |    |                 |                       |           |             |                 | DIFF.              | 138        | 5                 |            |
| 485274                   | .....                                |               |    | 14              | NON-AI DAUGHTERS      | 31        | 9,375       | 4.5             | 418                |            |                   |            |
| STATES-                  | 41                                   |               | 14 | WITH HERD-MATES | 31                    | 9,375     | 4.5         | 418             | 10                 | 9,377      | 441               |            |
|                          |                                      |               |    |                 |                       |           |             |                 | OIFF.              | 2-         | 23-               |            |
| 485536                   | WESTERN GLOW C. F. DUKE.....         |               |    | 9               | AI DAUGHTERS-08       | 9         | 8,819       | 5.0             | 445                |            |                   |            |
| 10-03-51                 | 458786                               | 1160645       |    | 7               | WITH HERD-MATES       | 7         | 9,420       | 5.0             | 467                | 14         | 9,723             | 467        |
| AI STUD,                 | 31-01                                | LISTED, 05-64 |    |                 |                       |           |             |                 | OIFF.              | 303-       |                   | 8,540 413  |
| STATES-                  | 31,87,91,92,93                       |               |    | 17              | NDN-AI DAUGHTERS      | 36        | 9,142       | 4.8             | 437                |            |                   |            |
|                          |                                      |               |    | 17              | WITH HERD-MATES       | 36        | 9,142       | 4.8             | 437                | 18         | 9,719             | 475        |
|                          |                                      |               |    |                 |                       |           |             |                 | DIFF.              | 577-       | 38-               |            |
| 486384                   | EMDRY-S ST. PATRICK.....             |               |    | 56              | AI DAUGHTERS-25*      | 57        | 9,014       | 4.6             | 415                |            |                   |            |
| 12-05-50                 | 412729                               | 1104633       |    | 51              | WITH HERD-MATES       | 52        | 9,037       | 4.6             | 417                | 15         | 9,531             | 445        |
| AI STUD,                 | 31-01                                | LISTED, 05-64 |    |                 |                       |           |             |                 | OIFF.              | 494-       | 28-               | 8,287 391  |
| STATES-                  | 23,31,35,52,55,56,58, 63,84,85       |               |    | 78              | NDN-AI DAUGHTERS      | 173       | 10,262      | 4.8             | 489                |            |                   |            |
|                          |                                      |               |    | 70              | WITH HERD-MATES       | 159       | 10,373      | 4.8             | 495                | 23         | 10,093            | 498        |
|                          |                                      |               |    |                 |                       |           |             |                 | DIFF.              | 280        | 3-                |            |
| 487028                   | MCDONALD FARMS LE ROYALIST.....      |               |    | 229             | AI DAUGHTERS-25*      | 289       | 9,109       | 5.0             | 457                |            |                   |            |
| 02-09-51                 | 423199                               | 963661        |    | 227             | WITH HERD-MATES       | 281       | 9,111       | 5.0             | 458                | 10         | 9,094             | 437        |
| AI STUD,                 | 31-01                                | LISTED, 05-64 |    |                 |                       |           |             |                 | DIFF.              | 17         | 21                | 8,670 434  |
| STATES-                  | 13,21,22,23,33,34,35, 42             |               |    | 18              | NDN-AI DAUGHTERS      | 36        | 9,325       | 5.0             | 466                |            |                   |            |
|                          |                                      |               |    | 12              | WITH HERD-MATES       | 27        | 9,508       | 5.1             | 487                | 20         | 9,287             | 443        |
|                          |                                      |               |    |                 |                       |           |             |                 | OIFF.              | 221        | 44                |            |



## SIREs OF DHIA DAUGHTERS

| SIRE'S OF DATA DAUGHTERS |   |    |                  | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |       |     |       |     |
|--------------------------|---|----|------------------|------------------------|---------------------|---------------|-------|-----|-------|-----|
| GUERNSEY                 |   |    |                  | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT      |       |     |       |     |
|                          |   |    |                  | NUMBER LB % LB         | NUMBER LB LB        | LB LB         |       |     |       |     |
| 487032                   | MCDONALD FARMS PRE RDSE LAD.....          |    |                  |                        |                     |               |       |     |       |     |
| 08-03-51                 | 293925 1235741                            | 11 | AI DAUGHTERS-09  | 11                     | 10,185              | 4.7           | 483   |     |       |     |
| AI STUD, 35-02           | LISTED, 08-62                             | 11 | WITH HERD-MATES  | 11                     | 10,185              | 4.7           | 483   |     |       |     |
| STATES-                  | 21,23,35,47,57                            |    |                  |                        |                     | 13            | 9,673 | 462 | 8,899 | 423 |
|                          |   |    |                  |                        |                     | DIFF.         | 512   | 21  |       |     |
|                          |   | 36 | NDN-AI DAUGHTERS | 96                     | 9,149               | 5.0           | 460   |     |       |     |
|                          |   | 29 | WITH HERD-MATES  | 86                     | 9,153               | 5.0           | 462   |     |       |     |
|                          |   |    |                  |                        |                     | 23            | 9,420 | 470 |       |     |
|                          |   |    |                  |                        |                     | DIFF.         | 267-  | 8-  |       |     |
| 487843                   | IDEAL-S WILMA-S BEACDN.....               |    |                  |                        |                     |               |       |     |       |     |
| 09-17-51                 | 473087 1344229                            | 35 | NDN-AI DAUGHTERS | 66                     | 7,926               | 4.6           | 368   |     |       |     |
|                          | LISTED, 08-62                             | 35 | WITH HERD-MATES  | 66                     | 7,926               | 4.6           | 368   |     |       |     |
| STATES-                  | 33,35,42                                  |    |                  |                        |                     | 15            | 8,076 | 389 |       |     |
|                          |   |    |                  |                        |                     | DIFF.         | 150-  | 21- |       |     |
| 488454                   | MCDONALD FARMS PERT RICHARD.....          |    |                  |                        |                     |               |       |     |       |     |
| 02-08-51                 | 446988 1293104                            | 69 | AI DAUGHTERS-25* | 101                    | 8,257               | 4.9           | 404   |     |       |     |
| AI STUD, 23-02           | LISTED, 08-63                             | 68 | WITH HERD-MATES  | 100                    | 8,279               | 4.9           | 406   |     |       |     |
| STATES-                  | 21,23,31,56                               |    |                  |                        |                     | 11            | 8,944 | 425 | 8,072 | 396 |
|                          |   |    |                  |                        |                     | DIFF.         | 665-  | 19- |       |     |
|                          |   | 33 | NDN-AI DAUGHTERS | 97                     | 9,171               | 4.8           | 443   |     |       |     |
|                          |   | 19 | WITH HERD-MATES  | 75                     | 9,218               | 4.8           | 446   |     |       |     |
|                          |   |    |                  |                        |                     | 19            | 9,633 | 447 |       |     |
|                          |   |    |                  |                        |                     | DIFF.         | 415-  | 1-  |       |     |
| 488824                   | WALKER FARMS PIPER SATELLITE.....         |    |                  |                        |                     |               |       |     |       |     |
| 11-27-51                 | 281537 1104280                            | 23 | NDN-AI DAUGHTERS | 29                     | 6,932               | 4.9           | 342   |     |       |     |
|                          | LISTED, 08-63                             | 23 | WITH HERD-MATES  | 29                     | 6,932               | 4.9           | 342   |     |       |     |
| STATES-                  | 41  |    |                  |                        |                     | 18            | 7,769 | 373 |       |     |
|                          |   |    |                  |                        |                     | DIFF.         | 837-  | 31- |       |     |
| 488856                   | GRAND VIEW PHARADH-S AMBLER.....          |    |                  |                        |                     |               |       |     |       |     |
| 01-30-52                 | 298216 845230                             | 75 | AI DAUGHTERS-25* | 134                    | 8,299               | 4.6           | 383   |     |       |     |
| AI STUD, 21-01           | LISTED, 08-63                             | 58 | WITH HERD-MATES  | 105                    | 8,341               | 4.6           | 384   |     |       |     |
| STATES-                  | 13,21,23                                  |    |                  |                        |                     | 18            | 8,957 | 423 | 8,133 | 380 |
|                          |   |    |                  |                        |                     | DIFF.         | 616-  | 39- |       |     |
| 489007                   | HDMINY HILL MUSICIAN.....                 |    |                  |                        |                     |               |       |     |       |     |
| 02-07-52                 | 422711 670669                             | 1  | AI DAUGHTERS-01  | 1                      | 6,620               | 4.1           | 273   |     |       |     |
| AI STUD, 33-03           | LISTED, 05-64                             | 13 | NDN-AI DAUGHTERS | 20                     | 7,948               | 4.9           | 390   |     |       |     |
| STATES-                  | 22,23,43,48,63,72,73                      | 11 | WITH HERD-MATES  | 18                     | 8,240               | 4.9           | 405   |     |       |     |
|                          |   |    |                  |                        |                     | 23            | 9,163 | 443 |       |     |
|                          |   |    |                  |                        |                     | DIFF.         | 923-  | 38- |       |     |
| 489161                   | DAKDALE PALMYRA DOUGLAS.....              |    |                  |                        |                     |               |       |     |       |     |
| 10-20-51                 | 439163 1091136                            | 11 | NDN-AI DAUGHTERS | 43                     | 7,879               | 4.7           | 368   |     |       |     |
| STATES-                  | 92  | 11 | WITH HERD-MATES  | 43                     | 7,879               | 4.7           | 368   |     |       |     |
|                          |   |    |                  |                        |                     | 8             | 8,174 | 378 |       |     |
|                          |   |    |                  |                        |                     | DIFF.         | 295-  | 10- |       |     |
| 489652                   | KLDNDIKE MDLLIE-S IDEAL.....              |    |                  |                        |                     |               |       |     |       |     |
| 11-04-51                 | 366137 585004                             | 10 | NDN-AI DAUGHTERS | 17                     | 7,880               | 4.7           | 374   |     |       |     |
|                          | LISTED, 11-63                             | 10 | WITH HERD-MATES  | 17                     | 7,880               | 4.7           | 374   |     |       |     |
| STATES-                  | 55,56                                     |    |                  |                        |                     | 33            | 8,554 | 407 |       |     |
|                          |   |    |                  |                        |                     | DIFF.         | 674-  | 33- |       |     |
| 489660                   | SPRUCE SHADDS KING ARNDLD.....            |    |                  |                        |                     |               |       |     |       |     |
| 09-15-51                 | 265352 803490                             | 49 | AI DAUGHTERS-25* | 103                    | 8,033               | 4.9           | 396   |     |       |     |
| AI STUD, 41-04           | LISTED, 08-62                             | 47 | WITH HERD-MATES  | 97                     | 8,040               | 4.9           | 395   |     |       |     |
| STATES-                  | 33,35,41,45                               |    |                  |                        |                     | 13            | 8,703 | 419 | 8,092 | 393 |
|                          |   |    |                  |                        |                     | DIFF.         | 663-  | 24- |       |     |
|                          |   | 5  | NDN-AI DAUGHTERS | 19                     | 8,748               | 4.8           | 422   |     |       |     |
|                          |   | 5  | WITH HERD-MATES  | 18                     | 8,678               | 4.8           | 418   |     |       |     |
|                          |   |    |                  |                        |                     | 16            | 9,018 | 440 |       |     |
|                          |   |    |                  |                        |                     | DIFF.         | 340-  | 22- |       |     |
| 489690                   | MEADDAW LANE NDBLEMAN.....                |    |                  |                        |                     |               |       |     |       |     |
| 09-16-51                 | 409032 742062                             | 24 | AI DAUGHTERS-22  | 24                     | 7,308               | 4.6           | 335   |     |       |     |
| AI STUD, 35-75           | LISTED, 05-64                             | 21 | WITH HERD-MATES  | 21                     | 7,455               | 4.5           | 338   |     |       |     |
| STATES-                  | 16,21,23,32,34,35,48,52,55,57,58,64,87,92 |    |                  |                        |                     | 8             | 8,462 | 409 | 7,965 | 366 |
|                          |   |    |                  |                        |                     | DIFF.         | 1007- | 71- |       |     |
|                          |   | 34 | NDN-AI DAUGHTERS | 104                    | 10,622              | 4.9           | 518   |     |       |     |
|                          |   | 34 | WITH HERD-MATES  | 101                    | 10,612              | 4.9           | 518   |     |       |     |
|                          |   |    |                  |                        |                     | 9             | 9,808 | 492 |       |     |
|                          |   |    |                  |                        |                     | DIFF.         | 804   | 26  |       |     |
| 491487                   | HDMINY HILL ACHIEVEMENT.....              |    |                  |                        |                     |               |       |     |       |     |
| 04-13-52                 | 431647 463062                             | 15 | AI DAUGHTERS-11  | 15                     | 9,849               | 4.9           | 482   |     |       |     |
| AI STUD, 22-03           | LISTED, 05-64                             | 15 | WITH HERD-MATES  | 15                     | 9,849               | 4.9           | 482   |     |       |     |
| STATES-                  | 21,22,23                                  |    |                  |                        |                     | 22            | 9,918 | 487 | 8,643 | 413 |
|                          |   |    |                  |                        |                     | DIFF.         | 69-   | 5-  |       |     |
|                          |   | 40 | NDN-AI DAUGHTERS | 72                     | 9,650               | 4.6           | 445   |     |       |     |
|                          |   | 28 | WITH HERD-MATES  | 57                     | 9,683               | 4.6           | 446   |     |       |     |
|                          |   |    |                  |                        |                     | 16            | 9,384 | 452 |       |     |
|                          |   |    |                  |                        |                     | DIFF.         | 299   | 6-  |       |     |
| 491754                   | ADDHR PETER PAN PRINCE.....               |    |                  |                        |                     |               |       |     |       |     |
| 01-12-52                 | 431555 670287                             | 18 | AI DAUGHTERS-07  | 23                     | 11,150              | 4.8           | 536   |     |       |     |
| AI STUD, 93-02           | LISTED, 05-64                             | 18 | WITH HERD-MATES  | 23                     | 11,150              | 4.8           | 536   |     |       |     |
| STATES-                  | 33,84,86,87,93                            |    |                  |                        |                     | 50            | 9,882 | 468 | 9,446 | 455 |
|                          |   |    |                  |                        |                     | DIFF.         | 1268  | 68  |       |     |
| 491808                   | SLAKEFERD LDRD FAUNTLE RDY.....           |    |                  |                        |                     |               |       |     |       |     |
| 02-25-52                 | 256253 1128394                            | 30 | NDN-AI DAUGHTERS | 43                     | 9,393               | 4.6           | 433   |     |       |     |
|                          | LISTED, 08-63                             | 27 | WITH HERD-MATES  | 39                     | 9,554               | 4.6           | 436   |     |       |     |
| STATES-                  | 22,23,50,51,56,58                         |    |                  |                        |                     | 27            | 9,038 | 422 |       |     |
|                          |   |    |                  |                        |                     | DIFF.         | 516   | 14  |       |     |
| 491870                   | .....                                     |    |                  |                        |                     |               |       |     |       |     |
|                          |   | 5  | NDN-AI DAUGHTERS | 9                      | 6,825               | 4.6           | 311   |     |       |     |
| STATES-                  | 21  |    |                  |                        |                     |               |       |     |       |     |
| 492233                   | BURKEVILLE EMDRY-S BUTTER 8DY.....        |    |                  |                        |                     |               |       |     |       |     |
| 12-31-51                 | 412729 871470                             | 53 | NDN-AI DAUGHTERS | 102                    | 7,082               | 4.9           | 347   |     |       |     |
|                          | LISTED, 08-63                             | 53 | WITH HERD-MATES  | 102                    | 7,082               | 4.9           | 347   |     |       |     |
| STATES-                  | 52  |    |                  |                        |                     | 36            | 7,118 | 341 |       |     |
|                          |   |    |                  |                        |                     | DIFF.         | 36-   | 6   |       |     |
| 492510                   | .....                                     |    |                  |                        |                     |               |       |     |       |     |
|                          |   | 7  | NDN-AI DAUGHTERS | 7                      | 7,241               | 4.3           | 312   |     |       |     |
| STATES-                  | 31,43                                     | 7  | WITH HERD-MATES  | 7                      | 7,241               | 4.3           | 312   |     |       |     |
|                          |   |    |                  |                        |                     | 14            | 8,007 | 391 |       |     |
|                          |   |    |                  |                        |                     | DIFF.         | 766-  | 79- |       |     |
| 492616                   | WESTERN GLDW HIS HONDR.....               |    |                  |                        |                     |               |       |     |       |     |
| 05-08-52                 | 453662 1159218                            | 91 | AI DAUGHTERS-25* | 145                    | 10,328              | 4.5           | 468   |     |       |     |
| AI STUD, 35-05           | LISTED, 03-64                             | 89 | WITH HERD-MATES  | 143                    | 10,374              | 4.5           | 470   |     |       |     |
| STATES-                  | 33,35,41,42,47,65,82,85,91,92             |    |                  |                        |                     | 15            | 9,205 | 439 | 9,691 | 441 |
|                          |   |    |                  |                        |                     | DIFF.         | 1169  | 31  |       |     |
|                          |   | 26 | NDN-AI DAUGHTERS | 74                     | 10,852              | 4.8           | 516   |     |       |     |
|                          |   | 25 | WITH HERD-MATES  | 73                     | 10,924              | 4.8           | 520   |     |       |     |
|                          |   |    |                  |                        |                     | 14            | 9,836 | 487 |       |     |
|                          |   |    |                  |                        |                     | DIFF.         | 1088  | 33  |       |     |



| SIRE OF DHIA DAUGHTERS |  |     |                  | AV. PRODUCTION | DF     | DAU. | ADJ.   | HERD-MATES | AV.    | PREDICTED | AV.       |
|------------------------|--|-----|------------------|----------------|--------|------|--------|------------|--------|-----------|-----------|
| GUERNSEY               |  |     |                  | RECORDS        | MILK   | TEST | AV.    | MILK       | FAT    | MILK      | FAT       |
|                        |  |     |                  | NUMBER         | L8     | %    | NUMBER | L8         | L8     | L8        | L8        |
| 497310                 | MCDONALD FARMS DRIDN-S SAMUEL.....       |     |                  |                |        |      |        |            |        |           |           |
| 06-14-52               | 457530 1404935                           | 10  | NON-AI DAUGHTERS | 10             | 7,611  | 5.0  | 377    |            |        |           |           |
|                        | LISTED, 03-64                            | 10  | WITH HERD-MATES  | 10             | 7,611  | 5.0  | 377    | 5          | 8,324  | 411       |           |
|                        | STATES- 21                               |     |                  |                |        |      |        | DIFF.      | 713-   | 34-       |           |
| 497410                 | FAIRLAWN ACTDRINE-S KING.....            |     |                  |                |        |      |        |            |        |           |           |
| 05-27-52               | 297107 791852                            | 33  | AI DAUGHTERS-21  | 37             | 8,851  | 4.7  | 416    |            |        |           |           |
| AI STUD, 31-02         | LISTED, 03-64                            | 32  | WITH HERD-MATES  | 36             | 8,910  | 4.7  | 419    | 27         | 8,783  | 407       | 8,713 420 |
|                        | STATES- 16,21,23,31,32,43,51,56,58       |     |                  |                |        |      |        | DIFF.      | 127    | 12        |           |
|                        |  | 33  | NON-AI DAUGHTERS | 101            | 9,994  | 5.0  | 501    |            |        |           |           |
|                        |  | 28  | WITH HERD-MATES  | 93             | 10,099 | 5.0  | 505    | 17         | 9,926  | 480       |           |
|                        |  |     |                  |                |        |      |        | DIFF.      | 173    | 25        |           |
| 497411                 | FAIRLAWN ACTDR-S ACME.....               |     |                  |                |        |      |        |            |        |           |           |
| 05-29-52               | 322785 1097431                           | 52  | NDN-AI DAUGHTERS | 127            | 10,002 | 4.6  | 456    |            |        |           |           |
| AI STUD, 23-02         | LISTED, 05-64                            | 51  | WITH HERD-MATES  | 125            | 10,076 | 4.6  | 459    | 15         | 9,332  | 435       |           |
|                        | STATES- 22,23,43,51,54,55,64             |     |                  |                |        |      |        | DIFF.      | 744    | 24        |           |
| 498242                 | .....                                    |     |                  |                |        |      |        |            |        |           |           |
|                        |  | 5   | NDN-AI DAUGHTERS | 6              | 8,904  | 4.4  | 394    |            |        |           |           |
|                        | STATES- 33,43                            | 5   | WITH HERD-MATES  | 6              | 8,904  | 4.4  | 394    | 10         | 8,899  | 424       |           |
|                        |  |     |                  |                |        |      |        | DIFF.      | 5      | 30-       |           |
| 498562                 | MAPLE LEAF ALERT.....                    |     |                  |                |        |      |        |            |        |           |           |
| 10-12-51               | 458927 1206070                           | 62  | AI DAUGHTERS-25* | 87             | 8,397  | 4.8  | 406    |            |        |           |           |
| AI STUD, 63-01         | LISTED, 05-64                            | 54  | WITH HERD-MATES  | 78             | 8,437  | 4.9  | 411    | 14         | 8,093  | 388       | 8,846 428 |
|                        | STATES- 41,52,63                         |     |                  |                |        |      |        | DIFF.      | 344    | 23        |           |
|                        |  | 17  | NDN-AI DAUGHTERS | 57             | 10,971 | 4.8  | 525    |            |        |           |           |
|                        |  | 17  | WITH HERD-MATES  | 56             | 10,961 | 4.8  | 526    | 11         | 10,497 | 494       |           |
|                        |  |     |                  |                |        |      |        | DIFF.      | 464    | 32        |           |
| 498590                 | RIVERVIEW CHERU8-S CASCADE.....          |     |                  |                |        |      |        |            |        |           |           |
| 05-01-52               | 449675 1246546                           | 73  | NDN-AI DAUGHTERS | 149            | 10,282 | 4.9  | 506    |            |        |           |           |
|                        | LISTED, 08-62                            | 71  | WITH HERD-MATES  | 146            | 10,327 | 4.9  | 508    | 22         | 10,094 | 501       |           |
|                        | STATES- 14,31,33,51,74,82,84,86,87,91,92 |     |                  |                |        |      |        | DIFF.      | 233    | 7         |           |
| 498659                 | SENRA8 P. CDUNT.....                     |     |                  |                |        |      |        |            |        |           |           |
| 09-22-51               | 450096 887293                            | 17  | AI DAUGHTERS-17  | 21             | 9,171  | 4.7  | 433    |            |        |           |           |
| AI STUD, 35-02         | LISTED, 08-62                            | 16  | WITH HERD-MATES  | 20             | 9,140  | 4.7  | 428    | 11         | 8,756  | 426       | 8,836 413 |
|                        | STATES- 23,35,63                         |     |                  |                |        |      |        | DIFF.      | 384    | 2         |           |
|                        |  | 29  | NDN-AI DAUGHTERS | 58             | 9,712  | 4.9  | 479    |            |        |           |           |
|                        |  | 29  | WITH HERD-MATES  | 57             | 9,673  | 4.9  | 477    | 17         | 10,304 | 501       |           |
|                        |  |     |                  |                |        |      |        | DIFF.      | 631-   | 24-       |           |
| 498668                 | WILL D SPRING 8 JUSTICE.....             |     |                  |                |        |      |        |            |        |           |           |
| 05-29-52               | 444169 786876                            | 9   | NON-AI DAUGHTERS | 14             | 10,784 | 4.7  | 504    |            |        |           |           |
|                        | LISTED, 08-63                            | 9   | WITH HERD-MATES  | 14             | 10,784 | 4.7  | 504    | 11         | 9,731  | 458       |           |
|                        | STATES- 23                               |     |                  |                |        |      |        | DIFF.      | 1053   | 46        |           |
| 498700                 | VILLA CREST KING DICTATDR.....           |     |                  |                |        |      |        |            |        |           |           |
| 09-02-52               | 474842 1162248                           | 20  | AI DAUGHTERS-11  | 20             | 8,012  | 5.1  | 408    |            |        |           |           |
| AI STUD, 61-01         | LISTED, 05-64                            | 20  | WITH HERD-MATES  | 20             | 8,012  | 5.1  | 408    | 9          | 8,300  | 397       | 8,411 417 |
|                        | STATES- 32,41,61                         |     |                  |                |        |      |        | DIFF.      | 288-   | 11        |           |
|                        |  | 28  | NDN-AI DAUGHTERS | 72             | 9,848  | 5.4  | 532    |            |        |           |           |
|                        |  | 25  | WITH HERD-MATES  | 69             | 9,921  | 5.4  | 534    | 6          | 8,929  | 460       |           |
|                        |  |     |                  |                |        |      |        | DIFF.      | 992    | 74        |           |
| 499468                 | LISETER BRILLIANT.....                   |     |                  |                |        |      |        |            |        |           |           |
| 07-15-52               | 387105 1178535                           | 52  | AI DAUGHTERS-25* | 52             | 9,766  | 4.9  | 481    |            |        |           |           |
| AI STUD, 51-02         | LISTED, 05-64                            | 51  | WITH HERD-MATES  | 51             | 9,799  | 4.9  | 483    | 15         | 9,387  | 460       | 9,001 433 |
|                        | STATES- 16,23,51,52,54,63                |     |                  |                |        |      |        | DIFF.      | 412    | 23        |           |
|                        |  | 46  | NDN-AI DAUGHTERS | 85             | 9,788  | 5.0  | 494    |            |        |           |           |
|                        |  | 45  | WITH HERD-MATES  | 84             | 9,729  | 5.1  | 493    | 17         | 10,085 | 498       |           |
|                        |  |     |                  |                |        |      |        | DIFF.      | 356-   | 5-        |           |
| 499513                 | LOCUST GRDVE MERIT-S STEADFAST.....      |     |                  |                |        |      |        |            |        |           |           |
| 08-15-52               | 428869 1167690                           | 14  | NDN-AI DAUGHTERS | 27             | 10,392 | 4.6  | 476    |            |        |           |           |
|                        | LISTED, 08-62                            | 14  | WITH HERD-MATES  | 27             | 10,392 | 4.6  | 476    | 17         | 9,479  | 452       |           |
|                        | STATES- 23,82,92                         |     |                  |                |        |      |        | DIFF.      | 913    | 24        |           |
| 499561                 | BRADFORD-S EDITH PAT.....                |     |                  |                |        |      |        |            |        |           |           |
| 07-27-52               | 477761 1108809                           | 132 | AI DAUGHTERS-25* | 186            | 9,277  | 5.0  | 467    |            |        |           |           |
| AI STUD, 34-01         | LISTED, 05-64                            | 125 | WITH HERD-MATES  | 173            | 9,327  | 5.1  | 472    | 13         | 9,015  | 439       | 8,930 444 |
|                        | STATES- 31,33,34,35                      |     |                  |                |        |      |        | DIFF.      | 312    | 33        |           |
|                        |  | 19  | NDN-AI DAUGHTERS | 66             | 10,481 | 5.6  | 583    |            |        |           |           |
|                        |  | 19  | WITH HERD-MATES  | 66             | 10,481 | 5.6  | 583    | 7          | 9,713  | 498       |           |
|                        |  |     |                  |                |        |      |        | DIFF.      | 768    | 85        |           |
| 499743                 | CLA-ORE KNIGHT-S JDN.....                |     |                  |                |        |      |        |            |        |           |           |
| 08-19-52               | 413580 976142                            | 171 | AI DAUGHTERS-25* | 308            | 9,892  | 4.5  | 449    |            |        |           |           |
| AI STUD, 92-01         | LISTED, 05-64                            | 161 | WITH HERD-MATES  | 290            | 9,946  | 4.5  | 452    | 11         | 9,227  | 440       | 9,335 425 |
|                        | STATES- 82,91,92                         |     |                  |                |        |      |        | DIFF.      | 719    | 12        |           |
| 499861                 | LADY GRACE-S STEADFAST TUDDR.....        |     |                  |                |        |      |        |            |        |           |           |
| 08-01-52               | 416463 855998                            | 82  | AI DAUGHTERS-25* | 177            | 8,855  | 4.8  | 423    |            |        |           |           |
| AI STUD, 33-02         | LISTED, 08-62                            | 78  | WITH HERD-MATES  | 164            | 8,869  | 4.8  | 427    | 9          | 8,695  | 416       | 8,766 420 |
|                        | STATES- 21,33,43,63,64                   |     |                  |                |        |      |        | DIFF.      | 174    | 11        |           |
|                        |  | 1   | NDN-AI DAUGHTERS | 1              | 6,580  | 4.5  | 293    |            |        |           |           |
| 499927                 | BELMONT VIEW GAZER MIKE.....             |     |                  |                |        |      |        |            |        |           |           |
| 08-06-52               | 440903 1262060                           | 30  | NDN-AI DAUGHTERS | 50             | 7,512  | 4.2  | 318    |            |        |           |           |
|                        | STATES- 58                               | 18  | WITH HERD-MATES  | 38             | 8,289  | 4.1  | 341    | 44         | 8,535  | 376       |           |
|                        |  |     |                  |                |        |      |        | DIFF.      | 246-   | 35-       |           |
| 499997                 | BAYVILLE MARVELDUS GENERAL.....          |     |                  |                |        |      |        |            |        |           |           |
| 11-08-52               | 3379330 1005007                          | 38  | AI DAUGHTERS-24  | 41             | 8,683  | 4.9  | 425    |            |        |           |           |
| AI STUD, 52-01         | LISTED, 05-64                            | 36  | WITH HERD-MATES  | 39             | 8,596  | 4.9  | 421    | 14         | 9,080  | 429       | 8,281 406 |
|                        | STATES- 52,57                            |     |                  |                |        |      |        | DIFF.      | 484-   | 8-        |           |
|                        |  | 44  | NDN-AI DAUGHTERS | 122            | 9,868  | 5.2  | 513    |            |        |           |           |
|                        |  | 39  | WITH HERD-MATES  | 114            | 10,079 | 5.2  | 523    | 24         | 9,953  | 488       |           |
|                        |  |     |                  |                |        |      |        | DIFF.      | 126    | 35        |           |



| SIREs OF DHIA DAUGHTERS |                                 |     |                  | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |
|-------------------------|---------------------------------|-----|------------------|------------------------|--------|------|-----|---------------------|--------|-----|---------------|-----|
| GUERNSEY                |                                 |     |                  | RECORDS                | MILK   | TEST | FAT | NUMBER              | MILK   | FAT | MILK          | FAT |
|                         |                                 |     |                  | NUMBER                 | LB     | %    | LB  |                     | LB     | LB  | LB            | LB  |
| 500050                  | .....                           |     |                  |                        |        |      |     |                     |        |     |               |     |
| STATES-                 | 48,58,65,73,74,85               | 9   | NDN-AI DAUGHTERS | 24                     | 7,859  | 4.7  | 370 |                     |        |     |               |     |
|                         |                                 | 6   | WITH HERD-MATES  | 20                     | 8,563  | 4.7  | 404 | 17                  | 8,286  | 396 |               |     |
|                         |                                 |     |                  |                        |        |      |     | DIFF.               | 277    | 8   |               |     |
| 500101                  | GOLDEN HARVEST KING- COLE.....  |     |                  |                        |        |      |     |                     |        |     |               |     |
| 01-11-52                | 407921 941910                   | 163 | AI DAUGHTERS-25* | 166                    | 8,762  | 5.1  | 446 |                     |        |     |               |     |
| AI STUD,                | 23-08 LISTED, 05-64             | 160 | WITH HERD-MATES  | 162                    | 8,841  | 5.1  | 451 | 13                  | 9,059  | 437 | 8,448         | 427 |
| STATES-                 | 16,23,35,50,51                  |     |                  |                        |        |      |     | DIFF.               | 218-   | 14  |               |     |
|                         |                                 | 36  | NDN-AI DAUGHTERS | 91                     | 10,673 | 5.2  | 556 |                     |        |     |               |     |
|                         |                                 | 34  | WITH HERD-MATES  | 89                     | 10,843 | 5.2  | 566 | 18                  | 10,716 | 527 |               |     |
|                         |                                 |     |                  |                        |        |      |     | DIFF.               | 127    | 39  |               |     |
| 500253                  | SUNESLOPE-S BUZZ 8DULDER.....   |     |                  |                        |        |      |     |                     |        |     |               |     |
| 08-11-52                | 425367 637920                   | 78  | AI DAUGHTERS-25* | 118                    | 8,646  | 4.7  | 406 |                     |        |     |               |     |
| AI STUD,                | 41-04 LISTED, 08-63             | 77  | WITH HERD-MATES  | 114                    | 8,662  | 4.7  | 406 | 11                  | 8,588  | 413 | 8,671         | 405 |
| STATES-                 | 35,41,42,45                     |     |                  |                        |        |      |     | DIFF.               | 74     | 7-  |               |     |
|                         |                                 | 12  | NDN-AI DAUGHTERS | 30                     | 9,156  | 4.9  | 448 |                     |        |     |               |     |
|                         |                                 | 12  | WITH HERD-MATES  | 30                     | 9,156  | 4.9  | 448 | 9                   | 8,439  | 423 |               |     |
|                         |                                 |     |                  |                        |        |      |     | DIFF.               | 717    | 25  |               |     |
| 500335                  | WANDAMERE MAGIC-S JUDGE.....    |     |                  |                        |        |      |     |                     |        |     |               |     |
| 01-20-53                | 420860 832756                   | 73  | NDN-AI DAUGHTERS | 143                    | 9,019  | 5.0  | 447 |                     |        |     |               |     |
| AI STUD,                | 08-62 LISTED, 08-62             | 73  | WITH HERD-MATES  | 143                    | 9,019  | 5.0  | 447 | 13                  | 9,264  | 448 |               |     |
| STATES-                 | 91                              |     |                  |                        |        |      |     | DIFF.               | 245-   | 1-  |               |     |
| 500382                  | HENSLEE FARMS D. MARKSMAN.....  |     |                  |                        |        |      |     |                     |        |     |               |     |
| 01-11-53                | 417991 663498                   | 18  | AI DAUGHTERS-13  | 37                     | 8,234  | 4.8  | 395 |                     |        |     |               |     |
| AI STUD,                | 48-01 LISTED, 08-62             | 18  | WITH HERD-MATES  | 37                     | 8,234  | 4.8  | 395 | 11                  | 7,969  | 392 | 8,730         | 412 |
| STATES-                 | 48,61,63                        |     |                  |                        |        |      |     | DIFF.               | 265    | 3   |               |     |
|                         |                                 | 21  | NDN-AI DAUGHTERS | 50                     | 9,134  | 4.6  | 418 |                     |        |     |               |     |
|                         |                                 | 19  | WITH HERD-MATES  | 47                     | 9,184  | 4.5  | 417 | 10                  | 9,488  | 441 |               |     |
|                         |                                 |     |                  |                        |        |      |     | DIFF.               | 304-   | 24- |               |     |
| 500798                  | QUAIL RDDST PRDUD TRAVELER..... |     |                  |                        |        |      |     |                     |        |     |               |     |
| 09-01-52                | 391246 536548                   | 87  | NDN-AI DAUGHTERS | 176                    | 9,678  | 4.9  | 471 |                     |        |     |               |     |
| AI STUD,                | 52-01 LISTED, 08-63             | 80  | WITH HERD-MATES  | 169                    | 9,781  | 4.9  | 476 | 38                  | 9,554  | 456 |               |     |
| STATES-                 | 21,23,51,52,55,63               |     |                  |                        |        |      |     | DIFF.               | 227    | 20  |               |     |
| 501509                  | CURTISS CANDY CHEERFUL.....     |     |                  |                        |        |      |     |                     |        |     |               |     |
| 02-27-53                | 454224 1285124                  | 80  | AI DAUGHTERS-25* | 134                    | 8,691  | 4.7  | 406 |                     |        |     |               |     |
| AI STUD,                | 33-03 LISTED, 08-63             | 80  | WITH HERD-MATES  | 134                    | 8,691  | 4.7  | 406 | 17                  | 8,675  | 412 | 8,629         | 406 |
| STATES-                 | 11,13,14,21,23,31,32,           |     |                  |                        |        |      |     | DIFF.               | 16     | 6-  |               |     |
|                         | 33,34,35,42,43,51,52,54,58,84,  | 7   | NDN-AI DAUGHTERS | 20                     | 8,970  | 4.5  | 403 |                     |        |     |               |     |
|                         | 87,91,92,93                     | 7   | WITH HERD-MATES  | 20                     | 8,970  | 4.5  | 403 | 7                   | 8,773  | 420 |               |     |
|                         |                                 |     |                  |                        |        |      |     | DIFF.               | 197    | 17- |               |     |
| 501586                  | WASHDUGAL CADET MAJESTY.....    |     |                  |                        |        |      |     |                     |        |     |               |     |
| 03-02-53                | 379905 1280460                  | 28  | NDN-AI DAUGHTERS | 82                     | 10,460 | 4.8  | 499 |                     |        |     |               |     |
| AI STUD,                | 35-75 LISTED, 05-64             | 28  | WITH HERD-MATES  | 81                     | 10,458 | 4.8  | 499 | 12                  | 9,666  | 454 |               |     |
| STATES-                 | 91                              |     |                  |                        |        |      |     | DIFF.               | 792    | 45  |               |     |
| 501809                  | SKYLINE LE PRINCE.....          |     |                  |                        |        |      |     |                     |        |     |               |     |
| 10-17-52                | 483717 1313031                  | 33  | NDN-AI DAUGHTERS | 87                     | 9,500  | 5.0  | 473 |                     |        |     |               |     |
| AI STUD,                | 08-62 LISTED, 08-62             | 33  | WITH HERD-MATES  | 85                     | 9,507  | 5.0  | 473 | 15                  | 9,468  | 456 |               |     |
| STATES-                 | 42                              |     |                  |                        |        |      |     | DIFF.               | 39     | 17  |               |     |
| 502303                  | MATAPA CHAMPIDN SANDY.....      |     |                  |                        |        |      |     |                     |        |     |               |     |
| 11-08-52                | 340599 864818                   | 9   | AI DAUGHTERS-03  | 14                     | 8,460  | 5.2  | 442 |                     |        |     |               |     |
| AI STUD,                | 93-01 LISTED, 08-62             | 9   | WITH HERD-MATES  | 14                     | 8,460  | 5.2  | 442 | 22                  | 8,547  | 419 | 8,570         | 421 |
| STATES-                 | 92,93                           |     |                  |                        |        |      |     | DIFF.               | 87-    | 23  |               |     |
| 502318                  | WHITE PLAINS IKE.....           |     |                  |                        |        |      |     |                     |        |     |               |     |
| 09-17-52                | 353112 978983                   | 11  | NDN-AI DAUGHTERS | 26                     | 8,915  | 5.0  | 444 |                     |        |     |               |     |
| STATES-                 | 23                              | 9   | WITH HERD-MATES  | 24                     | 9,004  | 5.0  | 447 | 12                  | 9,439  | 461 |               |     |
|                         |                                 |     |                  |                        |        |      |     | DIFF.               | 435-   | 14- |               |     |
| 502593                  | DS8DRNE HILL PRINCE PAT.....    |     |                  |                        |        |      |     |                     |        |     |               |     |
| 03-26-53                | 426081 1293011                  | 25  | NDN-AI DAUGHTERS | 49                     | 7,547  | 4.9  | 371 |                     |        |     |               |     |
| AI STUD,                | 08-62 LISTED, 08-62             | 25  | WITH HERD-MATES  | 48                     | 7,509  | 4.9  | 369 | 8                   | 7,942  | 386 |               |     |
| STATES-                 | 23                              |     |                  |                        |        |      |     | DIFF.               | 433-   | 17- |               |     |
| 502662                  | CHARMEL HI PEERS NEPTUNE.....   |     |                  |                        |        |      |     |                     |        |     |               |     |
| 02-06-52                | 446986 771770                   | 37  | NDN-AI DAUGHTERS | 72                     | 7,008  | 4.8  | 335 |                     |        |     |               |     |
| AI STUD,                | 08-62 LISTED, 08-62             | 36  | WITH HERD-MATES  | 70                     | 6,963  | 4.8  | 332 | 8                   | 7,937  | 389 |               |     |
| STATES-                 | 23                              |     |                  |                        |        |      |     | DIFF.               | 974-   | 57- |               |     |
| 502776                  | AVALDN WDNDER LAD.....          |     |                  |                        |        |      |     |                     |        |     |               |     |
| 12-21-52                | 345312 882875                   | 18  | NDN-AI DAUGHTERS | 29                     | 9,948  | 4.5  | 448 |                     |        |     |               |     |
| AI STUD,                | 08-63 LISTED, 08-63             | 18  | WITH HERD-MATES  | 29                     | 9,948  | 4.5  | 448 | 8                   | 9,487  | 436 |               |     |
| STATES-                 | 31                              |     |                  |                        |        |      |     | DIFF.               | 461    | 12  |               |     |
| 502777                  | AVALDN LEVITY MAGICIAN.....     |     |                  |                        |        |      |     |                     |        |     |               |     |
| 02-16-53                | 357307 964650                   | 12  | NDN-AI DAUGHTERS | 21                     | 10,262 | 4.5  | 463 |                     |        |     |               |     |
| AI STUD,                | 01-63 LISTED, 01-63             | 12  | WITH HERD-MATES  | 21                     | 10,262 | 4.5  | 463 | 7                   | 9,390  | 433 |               |     |
| STATES-                 | 31                              |     |                  |                        |        |      |     | DIFF.               | 872    | 30  |               |     |
| 502842                  | LANGWATER WINDEMERE.....        |     |                  |                        |        |      |     |                     |        |     |               |     |
| 08-14-52                | 449334 1329009                  | 21  | NDN-AI DAUGHTERS | 43                     | 7,445  | 4.6  | 340 |                     |        |     |               |     |
| AI STUD,                | 08-62 LISTED, 08-62             | 20  | WITH HERD-MATES  | 42                     | 7,627  | 4.5  | 347 | 6                   | 8,067  | 366 |               |     |
| STATES-                 | 33                              |     |                  |                        |        |      |     | DIFF.               | 440-   | 19- |               |     |
| 502979                  | RQES-MOR FLAME DIAMDND.....     |     |                  |                        |        |      |     |                     |        |     |               |     |
| 11-26-52                | 318218 1062959                  | 64  | AI DAUGHTERS-25* | 141                    | 8,934  | 4.6  | 410 |                     |        |     |               |     |
| AI STUD,                | 31-01 LISTED, 05-64             | 55  | WITH HERD-MATES  | 124                    | 8,910  | 4.6  | 412 | 9                   | 8,865  | 427 | 8,667         | 400 |
| STATES-                 | 32,33,65                        |     |                  |                        |        |      |     | DIFF.               | 45     | 15- |               |     |
| 503028                  | YELLOW CREEK HANDSOME HERD..... |     |                  |                        |        |      |     |                     |        |     |               |     |
| 01-28-53                | 460183 1222895                  | 53  | AI DAUGHTERS-24  | 75                     | 8,109  | 4.9  | 398 |                     |        |     |               |     |
| AI STUD,                | 61-01 LISTED, 05-64             | 51  | WITH HERD-MATES  | 67                     | 8,121  | 4.9  | 399 | 8                   | 8,131  | 386 | 8,563         | 420 |
| STATES-                 | 61,63                           |     |                  |                        |        |      |     | DIFF.               | 10-    | 13  |               |     |
|                         |                                 | 12  | NDN-AI DAUGHTERS | 22                     | 9,532  | 4.8  | 456 |                     |        |     |               |     |
|                         |                                 | 12  | WITH HERD-MATES  | 22                     | 9,532  | 4.8  | 456 | 7                   | 9,351  | 458 |               |     |
|                         |                                 |     |                  |                        |        |      |     | DIFF.               | 181    | 2-  |               |     |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY       |                                   |     |                  | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|----------------|-----------------------------------|-----|------------------|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|                |                                   |     |                  | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 503098         | WANOAMERE ROYAL MASTER.....       |     |                  |                        |            |           |           |                     |            |           |               |           |
| 04-21-53       | 488455 981844                     | 29  | NON-AI DAUGHTERS | 43                     | 7,824      | 4.9       | 382       |                     |            |           |               |           |
|                | LISTED, 03-64                     | 28  | WITH HERD-MATES  | 42                     | 7,866      | 4.9       | 384       |                     |            |           |               |           |
| STATES-        | 85,87,91,92                       |     |                  |                        |            |           |           | 17                  | 7,923      | 380       |               |           |
|                |                                   |     |                  |                        |            |           |           | OIFF.               | 57-        |           |               |           |
| 503099         | WANDAMERE PREDICTOR.....          |     |                  |                        |            |           |           |                     |            |           |               |           |
| 04-30-53       | 474647 1200471                    | 3   | AI DAUGHTERS-03  |                        |            |           |           |                     |            |           |               |           |
| AI STUD, 21-01 | LISTED, 08-62                     | 1   | WITH HERD-MATES  |                        |            |           |           |                     |            |           |               |           |
| STATES-        | 12,14,16,21,23,74                 |     |                  |                        |            |           |           |                     |            |           |               |           |
|                |                                   | 40  | NON-AI DAUGHTERS | 83                     | 11,004     | 4.5       | 490       |                     |            |           |               |           |
|                |                                   | 39  | WITH HERD-MATES  | 81                     | 11,013     | 4.4       | 490       | 16                  | 9,921      | 470       |               |           |
|                |                                   |     |                  |                        |            |           |           | OIFF.               | 1092       | 20        |               |           |
| 503100         | WANOAMERE DESIGNER.....           |     |                  |                        |            |           |           |                     |            |           |               |           |
| 05-03-53       | 420860 981842                     | 12  | NDN-AI DAUGHTERS | 20                     | 9,880      | 4.3       | 423       |                     |            |           |               |           |
|                | LISTED, 01-63                     | 12  | WITH HERD-MATES  | 19                     | 9,905      | 4.3       | 425       | 8                   | 9,472      | 433       |               |           |
| STATES-        | 92                                |     |                  |                        |            |           |           | DIFF.               | 433        | 8-        |               |           |
| 503289         | FAR WEST C. IMPERIAL.....         |     |                  |                        |            |           |           |                     |            |           |               |           |
| 12-19-52       | 471537 1224000                    | 12  | NON-AI DAUGHTERS | 21                     | 8,869      | 4.9       | 438       |                     |            |           |               |           |
|                | LISTED, 08-62                     | 12  | WITH HERD-MATES  | 21                     | 8,869      | 4.9       | 438       | 12                  | 8,984      | 432       |               |           |
| STATES-        | 41,42                             |     |                  |                        |            |           |           | DIFF.               | 115-       | 6         |               |           |
| 503292         | EDISTO FARMS G. NOVEL.....        |     |                  |                        |            |           |           |                     |            |           |               |           |
| 02-14-53       | 420373 954972                     | 45  | NON-AI DAUGHTERS | 76                     | 6,882      | 4.1       | 285       |                     |            |           |               |           |
|                | LISTED, 01-63                     | 45  | WITH HERD-MATES  | 76                     | 6,882      | 4.1       | 285       | 13                  | 7,666      | 330       |               |           |
| STATES-        | 56                                |     |                  |                        |            |           |           | DIFF.               | 784-       | 45-       |               |           |
| 503356         | MILMODRE-S FASHIONER FASHION..... |     |                  |                        |            |           |           |                     |            |           |               |           |
| 04-21-53       | 454297 923739                     | 16  | AI DAUGHTERS-10  | 17                     | 10,106     | 5.2       | 527       |                     |            |           |               |           |
| AI STUD, 31-01 | LISTED, 08-63                     | 16  | WITH HERD-MATES  | 17                     | 10,106     | 5.2       | 527       | 14                  | 9,010      | 437       | 9,257         | 464       |
| STATES-        | 31                                |     |                  |                        |            |           |           | DIFF.               | 1096       | 90        |               |           |
|                |                                   | 25  | NDN-AI DAUGHTERS | 71                     | 9,380      | 5.0       | 473       |                     |            |           |               |           |
|                |                                   | 25  | WITH HERD-MATES  | 71                     | 9,380      | 5.0       | 473       | 18                  | 9,216      | 434       |               |           |
|                |                                   |     |                  |                        |            |           |           | DIFF.               | 164        | 39        |               |           |
| 503512         | FAIRLAWN K. PHARDH.....           |     |                  |                        |            |           |           |                     |            |           |               |           |
| 05-15-53       | 297107 999963                     | 220 | AI DAUGHTERS-25* | 431                    | 9,370      | 4.9       | 458       |                     |            |           |               |           |
| AI STUD, 21-01 | LISTED, 05-64                     | 193 | WITH HERD-MATES  | 389                    | 9,456      | 4.9       | 465       | 15                  | 8,979      | 426       | 9,092         | 449       |
| STATES-        | 13,16,21,23,55                    |     |                  |                        |            |           |           | OIFF.               | 477        | 39        |               |           |
| 503781         | VILLA CREST FINANCIER.....        |     |                  |                        |            |           |           |                     |            |           |               |           |
| 05-30-52       | 458555 1383963                    | 13  | AI DAUGHTERS-09  | 13                     | 8,385      | 5.1       | 429       |                     |            |           |               |           |
| AI STUD, 34-01 | LISTED, 08-62                     | 13  | WITH HERD-MATES  | 13                     | 8,385      | 5.1       | 429       | 34                  | 9,078      | 443       | 8,273         | 405       |
| STATES-        | 23,31,32,34,50,58,64,65           |     |                  |                        |            |           |           | DIFF.               | 693-       | 14-       |               |           |
|                |                                   | 34  | NDN-AI DAUGHTERS | 70                     | 9,378      | 5.0       | 467       |                     |            |           |               |           |
|                |                                   | 28  | WITH HERD-MATES  | 58                     | 9,400      | 5.0       | 470       | 12                  | 9,392      | 455       |               |           |
|                |                                   |     |                  |                        |            |           |           | DIFF.               | 8          | 15        |               |           |
| 503904         | WESTERN GLOW CLARA-S GENERAL..... |     |                  |                        |            |           |           |                     |            |           |               |           |
| 06-01-53       | 390340 1159218                    | 194 | AI DAUGHTERS-25* | 335                    | 9,467      | 4.7       | 449       |                     |            |           |               |           |
| AI STUD, 92-01 | LISTED, 05-64                     | 143 | WITH HERD-MATES  | 250                    | 9,633      | 4.8       | 459       | 10                  | 9,418      | 450       | 8,881         | 423       |
| STATES-        | 52,92                             |     |                  |                        |            |           |           | OIFF.               | 215        | 9         |               |           |
|                |                                   | 2   | NON-AI DAUGHTERS | 4                      | 10,330     | 4.2       | 430       |                     |            |           |               |           |
|                |                                   | 2   | WITH HERD-MATES  | 4                      | 10,330     | 4.2       | 430       | 3                   | 8,940      | 421       |               |           |
|                |                                   |     |                  |                        |            |           |           | DIFF.               | 1390       | 9         |               |           |
| 504115         | .....                             |     |                  |                        |            |           |           |                     |            |           |               |           |
|                |                                   | 7   | NDN-AI DAUGHTERS | 8                      | 8,429      | 4.7       | 394       |                     |            |           |               |           |
| STATES-        | 31                                | 7   | WITH HERD-MATES  | 8                      | 8,429      | 4.7       | 394       | 4                   | 9,120      | 434       |               |           |
|                |                                   |     |                  |                        |            |           |           | OIFF.               | 691-       | 40-       |               |           |
| 504382         | BRDOKBERRY PEER-S BENTON.....     |     |                  |                        |            |           |           |                     |            |           |               |           |
| 01-16-53       | 398341 1115204                    | 37  | NDN-AI DAUGHTERS | 86                     | 9,741      | 4.5       | 441       |                     |            |           |               |           |
|                | LISTED, 08-62                     | 36  | WITH HERD-MATES  | 84                     | 9,809      | 4.5       | 443       | 33                  | 9,888      | 468       |               |           |
| STATES-        | 23,52,55,56,57,64,72              |     |                  |                        |            |           |           | OIFF.               | 79-        | 25-       |               |           |
| 504556         | EDISTO FARMS PRINCE-S SARGON..... |     |                  |                        |            |           |           |                     |            |           |               |           |
| 04-15-53       | 480378 1222143                    | 9   | NDN-AI DAUGHTERS | 15                     | 7,856      | 4.6       | 361       |                     |            |           |               |           |
| AI STUD, 52-01 | LISTED, 05-64                     | 9   | WITH HERD-MATES  | 15                     | 7,856      | 4.6       | 361       | 20                  | 8,834      | 416       |               |           |
| STATES-        | 52,57,58                          |     |                  |                        |            |           |           | OIFF.               | 978-       | 55-       |               |           |
| 504624         | RIVERVIEW GOLDEN FOREMDST.....    |     |                  |                        |            |           |           |                     |            |           |               |           |
| 10-26-52       | 453949 934326                     | 9   | NON-AI DAUGHTERS | 18                     | 6,769      | 5.2       | 351       |                     |            |           |               |           |
|                | LISTED, 08-62                     | 9   | WITH HERD-MATES  | 16                     | 6,878      | 5.2       | 358       | 10                  | 7,926      | 392       |               |           |
| STATES-        | 55,56                             |     |                  |                        |            |           |           | DIFF.               | 1048-      | 34-       |               |           |
| 504702         | IOEAL-S MIRIAM-S MAXIMAL.....     |     |                  |                        |            |           |           |                     |            |           |               |           |
| 01-14-53       | 473224 1474069                    | 85  | AI DAUGHTERS-25* | 187                    | 9,574      | 4.8       | 459       |                     |            |           |               |           |
| AI STUD, 11-01 | LISTED, 08-62                     | 78  | WITH HERD-MATES  | 169                    | 9,801      | 4.8       | 470       | 9                   | 9,233      | 444       | 9,151         | 436       |
| STATES-        | 11,14                             |     |                  |                        |            |           |           | OIFF.               | 568        | 26        |               |           |
|                |                                   | 3   | NON-AI DAUGHTERS | 7                      | 8,939      | 5.0       | 445       |                     |            |           |               |           |
|                |                                   | 3   | WITH HERD-MATES  | 6                      | 9,039      | 5.0       | 451       | 5                   | 10,019     | 499       |               |           |
|                |                                   |     |                  |                        |            |           |           | DIFF.               | 980-       | 48-       |               |           |
| 504876         | NYALA HONOR-S HDST.....           |     |                  |                        |            |           |           |                     |            |           |               |           |
| 03-22-53       | 392663 849529                     | 11  | NDN-AI DAUGHTERS | 14                     | 10,066     | 4.4       | 446       |                     |            |           |               |           |
|                | LISTED, 11-63                     | 11  | WITH HERD-MATES  | 14                     | 10,066     | 4.4       | 446       | 7                   | 9,084      | 426       |               |           |
| STATES-        | 35,42                             |     |                  |                        |            |           |           | DIFF.               | 982        | 20        |               |           |
| 504879         | CRDASDAILE LANDMARK EMDRY.....    |     |                  |                        |            |           |           |                     |            |           |               |           |
| 10-31-52       | 329470 1262539                    | 25  | NON-AI DAUGHTERS | 68                     | 8,313      | 5.4       | 450       |                     |            |           |               |           |
|                | LISTED, 08-62                     | 24  | WITH HERD-MATES  | 67                     | 8,267      | 5.4       | 449       | 23                  | 8,553      | 450       |               |           |
| STATES-        | 55                                |     |                  |                        |            |           |           | OIFF.               | 286-       | 1-        |               |           |
| 504931         | AODHR HONOR-S PRECISION.....      |     |                  |                        |            |           |           |                     |            |           |               |           |
| 02-05-53       | 467419 1199690                    | 1   | AI DAUGHTERS-01  | 1                      | 5,360      | 4.2       | 225       |                     |            |           |               |           |
| AI STUD, 35-02 | LISTED, 05-64                     | 18  | NON-AI DAUGHTERS | 24                     | 10,987     | 4.9       | 534       |                     |            |           |               |           |
| STATES-        | 35,93                             | 16  | WITH HERD-MATES  | 22                     | 11,013     | 4.8       | 533       | 7                   | 10,108     | 476       |               |           |
|                |                                   |     |                  |                        |            |           |           | OIFF.               | 905        | 57        |               |           |
| 504932         | NYALA PRINCE-S LADDOIE.....       |     |                  |                        |            |           |           |                     |            |           |               |           |
| 04-06-53       | 389915 1153078                    | 44  | NON-AI DAUGHTERS | 100                    | 10,513     | 4.8       | 508       |                     |            |           |               |           |
| AI STUD, 16-04 | LISTED, 05-64                     | 43  | WITH HERD-MATES  | 98                     | 10,579     | 4.8       | 510       | 15                  | 10,257     | 495       |               |           |
| STATES-        | 14,16,22,23                       |     |                  |                        |            |           |           | OIFF.               | 322        | 15        |               |           |

| SIRES OF DATA DAUGHTERS       |                                     |         |     |                  | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERO-MATES AV. |        |     | PREDICTED AV. |     |
|-------------------------------|-------------------------------------|---------|-----|------------------|------------------------|--------|------|-----|---------------------|--------|-----|---------------|-----|
| GUERNSEY                      |                                     |         |     |                  | RECORDS                | MILK   | TEST | FAT | AV.                 | MILK   | FAT | MILK          | FAT |
|                               |                                     |         |     |                  | NUMBER                 | LB     | %    | LB  | NUMBER              | LB     | LB  | LB            | LB  |
| 504975                        | STRAITS VIEW-S BELVEDERE.....       |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 11-01-52                      | 453076                              | 890961  | 18  | NON-AI DAUGHTERS | 31                     | 9,179  | 4.7  | 434 |                     |        |     |               |     |
|                               | LISTED, 08-63                       |         | 18  | WITH HERD-MATES  | 31                     | 9,179  | 4.7  | 434 | 17                  | 9,897  | 486 |               |     |
| STATES- 91                    |                                     |         |     |                  |                        |        |      |     | DIFF.               | 718-   | 52- |               |     |
| 505071                        | HENSLEE FARMS SCHNEIDERMAN.....     |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 03-30-53                      | 470604                              | 1228807 | 11  | AI DAUGHTERS-10  | 12                     | 8,991  | 4.9  | 442 |                     |        |     |               |     |
| AI STUD, 31-02                |                                     |         | 10  | WITH HERD-MATES  | 11                     | 8,987  | 4.9  | 441 | 17                  | 8,994  | 431 | 8,623         | 416 |
| STATES- 23,31,32,43,51,56,71, |                                     |         |     |                  |                        |        |      |     | DIFF.               | 7-     | 10  |               |     |
| 72                            |                                     |         | 13  | NON-AI DAUGHTERS | 22                     | 8,970  | 5.3  | 473 |                     |        |     |               |     |
|                               |                                     |         | 10  | WITH HERD-MATES  | 18                     | 8,704  | 5.2  | 456 | 8                   | 9,389  | 479 |               |     |
|                               |                                     |         |     |                  |                        |        |      |     | DIFF.               | 685-   | 23- |               |     |
| 505191                        | BERRYHEDGE-S PRINCE.....            |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 02-27-53                      | 346065                              | 1102540 | 25  | NON-AI DAUGHTERS | 44                     | 7,614  | 4.9  | 374 |                     |        |     |               |     |
|                               | LISTED, 08-63                       |         | 25  | WITH HERD-MATES  | 44                     | 7,614  | 4.9  | 374 | 16                  | 7,778  | 373 |               |     |
| STATES- 23                    |                                     |         |     |                  |                        |        |      |     | DIFF.               | 164-   | 1   |               |     |
| 505384                        | ELK MEADOW NOLA-S MONARCH.....      |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 01-13-53                      | 354073                              | 1156396 | 43  | AI DAUGHTERS-25* | 44                     | 8,573  | 4.5  | 385 |                     |        |     |               |     |
| AI STUD, 35-75                | LISTED, 05-64                       |         | 42  | WITH HERD-MATES  | 42                     | 8,557  | 4.5  | 385 | 32                  | 8,937  | 418 | 8,342         | 386 |
| STATES- 16,21,32,35,41,48,52, |                                     |         |     |                  |                        |        |      |     | DIFF.               | 380-   | 33- |               |     |
| 55,56,57,58,61,64,65,82       |                                     |         | 41  | NON-AI DAUGHTERS | 103                    | 10,212 | 4.6  | 467 |                     |        |     |               |     |
|                               |                                     |         | 40  | WITH HERD-MATES  | 102                    | 10,205 | 4.6  | 469 | 12                  | 9,781  | 465 |               |     |
|                               |                                     |         |     |                  |                        |        |      |     | DIFF.               | 424    | 4   |               |     |
| 505590                        | CRAGSCUT COUNTRY ROSE PEDDLER.....  |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 02-24-53                      | 471922                              | 1290662 | 9   | NON-AI DAUGHTERS | 20                     | 9,751  | 4.5  | 439 |                     |        |     |               |     |
|                               | LISTED, 08-62                       |         | 9   | WITH HERD-MATES  | 20                     | 9,751  | 4.5  | 439 | 18                  | 9,463  | 449 |               |     |
| STATES- 14                    |                                     |         |     |                  |                        |        |      |     | DIFF.               | 288    | 10- |               |     |
| 505594                        | NORMANDY SYLVESTER.....             |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 02-24-53                      | 453207                              | 1155120 | 35  | NON-AI DAUGHTERS | 93                     | 9,344  | 5.0  | 468 |                     |        |     |               |     |
|                               | LISTED, 08-62                       |         | 35  | WITH HERD-MATES  | 93                     | 9,344  | 5.0  | 468 | 11                  | 9,171  | 449 |               |     |
| STATES- 33                    |                                     |         |     |                  |                        |        |      |     | DIFF.               | 173    | 19  |               |     |
| 505855                        | HERMITAGE VIEW LADIE-S BUSTER.....  |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 03-21-53                      | 355772                              | 888362  | 9   | NON-AI DAUGHTERS | 20                     | 9,070  | 4.4  | 401 |                     |        |     |               |     |
|                               | LISTED, 01-63                       |         | 9   | WITH HERD-MATES  | 20                     | 9,070  | 4.4  | 401 | 9                   | 8,776  | 420 |               |     |
| STATES- 63                    |                                     |         |     |                  |                        |        |      |     | DIFF.               | 294    | 19- |               |     |
| 505856                        | HERMITAGE VIEW KING LEAR.....       |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 03-24-53                      | 417991                              | 1224913 | 29  | NON-AI DAUGHTERS | 76                     | 7,796  | 5.0  | 387 |                     |        |     |               |     |
|                               | LISTED, 08-63                       |         | 29  | WITH HERD-MATES  | 76                     | 7,796  | 5.0  | 387 | 34                  | 7,588  | 367 |               |     |
| STATES- 61,63,65              |                                     |         |     |                  |                        |        |      |     | DIFF.               | 208    | 20  |               |     |
| 505970                        | OLD HOMESTEAD C.A.B.A. PHAREKA..... |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 04-24-53                      | 298216                              | 1075438 | 254 | AI DAUGHTERS-25* | 462                    | 10,640 | 4.6  | 485 |                     |        |     |               |     |
| AI STUD, 16-04                | LISTED, 05-64                       |         | 231 | WITH HERD-MATES  | 416                    | 10,697 | 4.6  | 490 | 14                  | 9,242  | 447 | 10,051        | 456 |
| STATES- 12,13,14,15,16,21,57  |                                     |         |     |                  |                        |        |      |     | DIFF.               | 1455   | 43  |               |     |
| 506093                        | .....                               |         |     |                  |                        |        |      |     |                     |        |     |               |     |
|                               |                                     |         | 5   | NON-AI DAUGHTERS | 5                      | 9,784  | 4.8  | 469 |                     |        |     |               |     |
| STATES- 41                    |                                     |         | 5   | WITH HERD-MATES  | 5                      | 9,784  | 4.8  | 469 | 5                   | 9,223  | 435 |               |     |
|                               |                                     |         |     |                  |                        |        |      |     | DIFF.               | 561    | 34  |               |     |
| 506225                        | WANDAMERE PETRISSA-S PRINCE.....    |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 08-20-53                      | 343236                              | 1108855 | 56  | NON-AI DAUGHTERS | 107                    | 8,780  | 5.1  | 449 |                     |        |     |               |     |
|                               | LISTED, 08-62                       |         | 56  | WITH HERD-MATES  | 107                    | 8,780  | 5.1  | 449 | 22                  | 9,578  | 479 |               |     |
| STATES- 16,23,51              |                                     |         |     |                  |                        |        |      |     | DIFF.               | 798-   | 30- |               |     |
| 506459                        | CDOSPRING-S B. V. MODEL.....        |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 03-21-53                      | 429235                              | 841040  | 36  | NON-AI DAUGHTERS | 96                     | 10,574 | 5.2  | 553 |                     |        |     |               |     |
|                               | LISTED, 08-62                       |         | 35  | WITH HERD-MATES  | 94                     | 10,656 | 5.2  | 557 | 41                  | 10,029 | 498 |               |     |
| STATES- 22,23,31,74           |                                     |         |     |                  |                        |        |      |     | DIFF.               | 627    | 59  |               |     |
| 506873                        | CURTISS CANDY BARB CURTISS.....     |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 10-01-53                      | 409032                              | 1003838 | 37  | AI DAUGHTERS-25* | 53                     | 9,377  | 4.6  | 427 |                     |        |     |               |     |
| AI STUD, 33-03                | LISTED, 08-63                       |         | 35  | WITH HERD-MATES  | 51                     | 9,520  | 4.5  | 433 | 14                  | 8,779  | 413 | 9,170         | 426 |
| STATES- 11,12,14,16,21,22,23, |                                     |         |     |                  |                        |        |      |     | DIFF.               | 741    | 20  |               |     |
| 31,32,34,35,41,42,51,52,54,72 |                                     |         | 22  | NON-AI DAUGHTERS | 61                     | 9,522  | 4.4  | 423 |                     |        |     |               |     |
|                               |                                     |         | 22  | WITH HERD-MATES  | 61                     | 9,522  | 4.4  | 423 | 28                  | 8,726  | 406 |               |     |
|                               |                                     |         |     |                  |                        |        |      |     | DIFF.               | 796    | 17  |               |     |
| 506916                        | LAKE LOUISE KING-S NOBLEMAN.....    |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 04-24-52                      | 428861                              | 1273425 | 36  | AI DAUGHTERS-25  | 39                     | 9,489  | 4.7  | 449 |                     |        |     |               |     |
| AI STUD, 35-05                | LISTED, 05-64                       |         | 35  | WITH HERD-MATES  | 36                     | 9,649  | 4.7  | 457 | 19                  | 9,626  | 467 | 8,702         | 408 |
| STATES- 22,23,33,35,41,42,51, |                                     |         |     |                  |                        |        |      |     | DIFF.               | 23     | 10- |               |     |
| 56,81,86,87,91,92             |                                     |         | 42  | NON-AI DAUGHTERS | 122                    | 10,420 | 5.0  | 517 |                     |        |     |               |     |
|                               |                                     |         | 40  | WITH HERD-MATES  | 119                    | 10,480 | 4.9  | 518 | 27                  | 10,203 | 512 |               |     |
|                               |                                     |         |     |                  |                        |        |      |     | DIFF.               | 277    | 6   |               |     |
| 506917                        | LAKE LOUISE ROSE VALENCIAN.....     |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 02-07-53                      | 288632                              | 950680  | 297 | AI DAUGHTERS-25* | 497                    | 9,450  | 5.0  | 471 |                     |        |     |               |     |
| AI STUD, 91-01                | LISTED, 05-64                       |         | 273 | WITH HERD-MATES  | 455                    | 9,455  | 5.0  | 473 | 12                  | 9,477  | 465 | 8,671         | 423 |
| STATES- 22,33,74,81,82,85,86, |                                     |         |     |                  |                        |        |      |     | DIFF.               | 22-    | 8   |               |     |
| 87,91,92                      |                                     |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 506918                        | LAKE LOUISE ROSE HOLLISTAR.....     |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 04-28-53                      | 288632                              | 1076367 | 37  | AI DAUGHTERS-24  | 41                     | 8,809  | 5.2  | 462 |                     |        |     |               |     |
| AI STUD, 34-01                | LISTED, 05-64                       |         | 35  | WITH HERD-MATES  | 39                     | 8,900  | 5.2  | 467 | 29                  | 8,817  | 438 | 8,686         | 435 |
| STATES- 23,33,34,35,50,56,82, |                                     |         |     |                  |                        |        |      |     | DIFF.               | 83     | 29  |               |     |
| 91                            |                                     |         | 46  | NON-AI DAUGHTERS | 88                     | 9,675  | 5.1  | 492 |                     |        |     |               |     |
|                               |                                     |         | 46  | WITH HERD-MATES  | 88                     | 9,675  | 5.1  | 492 | 35                  | 9,288  | 450 |               |     |
|                               |                                     |         |     |                  |                        |        |      |     | DIFF.               | 387    | 42  |               |     |
| 507169                        | PINE GROVE PRINCE JAMES.....        |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 07-26-53                      | 428584                              | 1220897 | 15  | NON-AI DAUGHTERS | 39                     | 8,629  | 5.1  | 442 |                     |        |     |               |     |
|                               | LISTED, 08-62                       |         | 15  | WITH HERD-MATES  | 39                     | 8,629  | 5.1  | 442 | 18                  | 8,625  | 420 |               |     |
| STATES- 52,57,63              |                                     |         |     |                  |                        |        |      |     | DIFF.               | 4      | 22  |               |     |
| 507318                        | CHARLTON KORN.....                  |         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 06-10-53                      | 384111                              | 1017239 | 14  | NON-AI DAUGHTERS | 18                     | 8,130  | 4.9  | 398 |                     |        |     |               |     |
|                               | LISTED, 11-63                       |         | 14  | WITH HERD-MATES  | 18                     | 8,130  | 4.9  | 398 | 25                  | 8,454  | 401 |               |     |
| STATES- 21                    |                                     |         |     |                  |                        |        |      |     | DIFF.               | 324-   | 3-  |               |     |



## SIREs OF DHIA DAUGHTERS

| GUERNSEY            |                                   |    |                  | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|---------------------|-----------------------------------|----|------------------|------------------------|---------------------|---------------|
|                     |                                   |    |                  | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT      |
|                     |                                   |    |                  | NUMBER L8 % L8         | NUMBER L8 L8        | L8 L8         |
| 507339              | 8. H. H. MAJESTY-S JDE.....       |    |                  |                        |                     |               |
| 11-02-53            | 452075 1192763                    | 2  | AI DAUGHTERS-02  |                        |                     |               |
| AI STUD, 11-01      | LISTED, 05-64                     | 1  | WITH HERD-MATES  |                        |                     |               |
| STATES- 11,13       |                                   |    |                  |                        |                     |               |
|                     |                                   | 14 | NDN-AI DAUGHTERS | 42                     | 9,372               | 5.3 495       |
|                     |                                   | 14 | WITH HERD-MATES  | 42                     | 9,372               | 5.3 495       |
|                     |                                   |    |                  |                        | 6                   | 9,541 460     |
|                     |                                   |    |                  |                        | DIFF.               | 169- 35       |
| 507631              | VAN DYKE H. LINDSAY-S SHEIK.....  |    |                  |                        |                     |               |
| 07-09-53            | 449574 1053906                    | 29 | NDN-AI DAUGHTERS | 51                     | 7,911               | 4.8 378       |
| STATES- 41          |                                   | 28 | WITH HERD-MATES  | 50                     | 8,041               | 4.8 383       |
|                     |                                   |    |                  |                        | 15                  | 7,796 372     |
|                     |                                   |    |                  |                        | DIFF.               | 245 11        |
| 507676              | DUNWALKE R. JURYMAN.....          |    |                  |                        |                     |               |
| 08-13-53            | 340083 942540                     | 29 | AI DAUGHTERS-23  | 71                     | 9,077               | 4.5 404       |
| AI STUD, 12-03      |                                   | 26 | WITH HERD-MATES  | 64                     | 9,225               | 4.4 408       |
| STATES- 12,13,14,16 |                                   |    |                  |                        | 10                  | 9,075 422     |
|                     |                                   |    |                  |                        | DIFF.               | 150 14-       |
|                     |                                   |    |                  |                        |                     | 8,743 402     |
| 507757              | MCDONALD FARMS JDLLY TAGUS.....   |    |                  |                        |                     |               |
| 07-25-53            | 439587 1130410                    | 9  | NDN-AI DAUGHTERS | 16                     | 7,953               | 4.6 367       |
|                     | LISTED, 08-62                     | 9  | WITH HERD-MATES  | 16                     | 7,953               | 4.6 367       |
| STATES- 31          |                                   |    |                  |                        | 11                  | 8,389 368     |
|                     |                                   |    |                  |                        | DIFF.               | 436- 1-       |
| 507832              | RDSEBUD FARM C. VERNDN.....       |    |                  |                        |                     |               |
| 08-18-53            | 440498 1054604                    | 21 | AI DAUGHTERS-06  | 21                     | 7,989               | 4.3 342       |
| AI STUD, 72-01      | LISTED, 05-64                     | 21 | WITH HERD-MATES  | 21                     | 7,989               | 4.3 342       |
| STATES- 48,72,73    |                                   |    |                  |                        | 27                  | 7,770 350     |
|                     |                                   |    |                  |                        | DIFF.               | 219 8-        |
|                     |                                   | 13 | NDN-AI DAUGHTERS | 14                     | 8,405               | 5.1 431       |
|                     |                                   | 13 | WITH HERD-MATES  | 14                     | 8,405               | 5.1 431       |
|                     |                                   |    |                  |                        | 5                   | 8,844 422     |
|                     |                                   |    |                  |                        | DIFF.               | 439- 9        |
| 507894              | CRDSS ARRDWS RDSE KING.....       |    |                  |                        |                     |               |
| 07-28-53            | 493917 1515032                    | 17 | NDN-AI DAUGHTERS | 26                     | 8,849               | 4.9 431       |
|                     | LISTED, 08-63                     | 17 | WITH HERD-MATES  | 26                     | 8,849               | 4.9 431       |
| STATES- 56,58       |                                   |    |                  |                        | 17                  | 9,086 430     |
|                     |                                   |    |                  |                        | DIFF.               | 237- 1        |
| 507938              | .....                             |    |                  |                        |                     |               |
|                     |                                   | 6  | NDN-AI DAUGHTERS | 11                     | 9,272               | 4.8 445       |
| STATES- 15          |                                   | 6  | WITH HERD-MATES  | 10                     | 9,352               | 4.8 451       |
|                     |                                   |    |                  |                        | 13                  | 10,121 477    |
|                     |                                   |    |                  |                        | DIFF.               | 769- 26-      |
| 508153              | .....                             |    |                  |                        |                     |               |
|                     |                                   | 3  | AI DAUGHTERS-02  |                        |                     |               |
| AI STUD, 35-01      |                                   | 3  | WITH HERD-MATES  |                        |                     |               |
| STATES- 33,35       |                                   |    |                  |                        |                     |               |
|                     |                                   | 2  | NDN-AI DAUGHTERS | 2                      | 8,335               | 4.5 376       |
|                     |                                   | 2  | WITH HERD-MATES  | 2                      | 8,335               | 4.5 376       |
|                     |                                   |    |                  |                        | 5                   | 8,438 397     |
|                     |                                   |    |                  |                        | DIFF.               | 103- 21-      |
| 508182              | KENMAX APACHE-S LDT.....          |    |                  |                        |                     |               |
| 11-17-53            | 399017 824927                     | 13 | AI DAUGHTERS-08  | 23                     | 8,236               | 4.7 384       |
| AI STUD, 93-05      | LISTED, 05-64                     | 12 | WITH HERD-MATES  | 22                     | 8,091               | 4.7 377       |
| STATES- 33,72,82    |                                   |    |                  |                        | 15                  | 8,448 395     |
|                     |                                   |    |                  |                        | DIFF.               | 357- 18-      |
|                     |                                   |    |                  |                        |                     | 8,422 401     |
| 508238              | FAWN ISLE F. ESQUIRE.....         |    |                  |                        |                     |               |
| 02-24-53            | 391251 855883                     | 8  | NDN-AI DAUGHTERS | 16                     | 8,830               | 4.5 401       |
|                     | LISTED, 08-62                     | 8  | WITH HERD-MATES  | 16                     | 8,830               | 4.5 401       |
| STATES- 32,72       |                                   |    |                  |                        | 25                  | 8,391 379     |
|                     |                                   |    |                  |                        | DIFF.               | 439 22        |
| 508307              | HDMEACRES LUTE-S ROMULUS.....     |    |                  |                        |                     |               |
| 12-18-53            | 375198 1344184                    | 30 | NDN-AI DAUGHTERS | 81                     | 9,419               | 4.5 422       |
|                     | LISTED, 08-62                     | 29 | WITH HERD-MATES  | 79                     | 9,444               | 4.5 423       |
| STATES- 52          |                                   |    |                  |                        | 7                   | 9,020 422     |
|                     |                                   |    |                  |                        | DIFF.               | 424 1         |
| 508626              | QUAIL RDDST MAJESTY DANDY.....    |    |                  |                        |                     |               |
| 09-15-53            | 396029 903696                     | 42 | NDN-AI DAUGHTERS | 89                     | 7,855               | 5.0 393       |
|                     | LISTED, 08-62                     | 40 | WITH HERD-MATES  | 86                     | 7,920               | 5.0 396       |
| STATES- 55          |                                   |    |                  |                        | 38                  | 8,325 403     |
|                     |                                   |    |                  |                        | DIFF.               | 405- 7-       |
| 508809              | LDCKSHDRE MAXIM LDCHINVAR.....    |    |                  |                        |                     |               |
| 09-18-53            | 474442 1152177                    | 8  | AI DAUGHTERS-04  | 8                      | 7,644               | 4.7 360       |
| AI STUD, 34-01      | LISTED, 05-64                     | 8  | WITH HERD-MATES  | 8                      | 7,644               | 4.7 360       |
| STATES- 34,35       |                                   |    |                  |                        | 12                  | 8,767 400     |
|                     |                                   |    |                  |                        | DIFF.               | 1123- 40-     |
|                     |                                   | 29 | NDN-AI DAUGHTERS | 53                     | 9,554               | 4.9 465       |
|                     |                                   | 28 | WITH HERD-MATES  | 52                     | 9,642               | 4.9 469       |
|                     |                                   |    |                  |                        | 41                  | 10,650 499    |
|                     |                                   |    |                  |                        | DIFF.               | 1008- 30-     |
| 508933              | SUNNY VISTA FASCINATR.....        |    |                  |                        |                     |               |
| 09-30-53            | 437283 1085936                    | 11 | NDN-AI DAUGHTERS | 22                     | 8,803               | 4.6 408       |
| STATES- 31          |                                   | 9  | WITH HERD-MATES  | 18                     | 8,557               | 4.6 394       |
|                     |                                   |    |                  |                        | 10                  | 8,495 407     |
|                     |                                   |    |                  |                        | DIFF.               | 62 13-        |
| 508953              | WESTERN GLDW DUTCH 80Y.....       |    |                  |                        |                     |               |
| 12-26-53            | 465116 1248373                    | 9  | NDN-AI DAUGHTERS | 11                     | 9,463               | 4.4 417       |
|                     | LISTED, 08-62                     | 6  | WITH HERD-MATES  | 7                      | 9,181               | 4.4 406       |
| STATES- 82          |                                   |    |                  |                        | 5                   | 9,044 416     |
|                     |                                   |    |                  |                        | DIFF.               | 137 10-       |
| 509099              | .....                             |    |                  |                        |                     |               |
|                     |                                   | 8  | NDN-AI DAUGHTERS | 8                      | 9,820               | 4.7 458       |
| STATES- 31          |                                   | 8  | WITH HERD-MATES  | 8                      | 9,820               | 4.7 458       |
|                     |                                   |    |                  |                        | 11                  | 9,940 463     |
|                     |                                   |    |                  |                        | DIFF.               | 120- 5-       |
| 509196              | MCDONALD FARMS RIVAL TEMPTER..... |    |                  |                        |                     |               |
| 08-14-53            | 493158 1506099                    | 24 | NDN-AI DAUGHTERS | 41                     | 8,532               | 4.9 415       |
| STATES- 56          |                                   | 23 | WITH HERD-MATES  | 40                     | 8,543               | 4.9 418       |
|                     |                                   |    |                  |                        | 16                  | 9,552 456     |
|                     |                                   |    |                  |                        | DIFF.               | 1009- 38-     |
| 509210              | ND8LE FAWN KINGMAN.....           |    |                  |                        |                     |               |
| 11-16-53            | 479958 1195020                    | 19 | NDN-AI DAUGHTERS | 33                     | 9,128               | 4.3 397       |
| STATES- 58          |                                   | 19 | WITH HERD-MATES  | 33                     | 9,128               | 4.3 397       |
|                     |                                   |    |                  |                        | 51                  | 9,205 400     |
|                     |                                   |    |                  |                        | DIFF.               | 77- 3-        |
| 509283              | MT. ARARAT MIKADD.....            |    |                  |                        |                     |               |
| 11-12-53            | 457523 1280327                    | 62 | NDN-AI DAUGHTERS | 143                    | 10,751              | 4.6 492       |
|                     | LISTED, 08-62                     | 61 | WITH HERD-MATES  | 141                    | 10,772              | 4.6 492       |
| STATES- 14,21,23,51 |                                   |    |                  |                        | 24                  | 9,831 466     |
|                     |                                   |    |                  |                        | DIFF.               | 941 26        |



| SIRE OF DHIA DAUGHTERS        |                                     |     |                  | AV. RECORDS | PRODUCTION MILK LB | DF TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERD-MATES FAT LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|-------------------------------|-------------------------------------|-----|------------------|-------------|--------------------|-----------|-------------|------------------|-------------------|------------|-------------------|------------|
| GUERNSEY                      |                                     |     |                  | NUMBER      |                    |           |             | NUMBER           |                   |            |                   |            |
| 509303                        | HOMINY HILL EASTERN KING.....       |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 11-03-53                      | 453762 1361248                      | 24  | NON-AI DAUGHTERS | 61          | 9,979              | 5.0       | 502         |                  |                   |            |                   |            |
|                               | LISTED, 08-62                       | 24  | WITH HERD-MATES  | 61          | 9,979              | 5.0       | 502         | 12               | 9,821             | 487        |                   |            |
| STATES-                       | 22,51                               |     |                  |             |                    |           |             | DIFF.            | 158               | 15         |                   |            |
| 509305                        | HOMINY HILL MUSIC PRINCE.....       |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 12-10-53                      | 431647 1085972                      | 242 | AI DAUGHTERS-25* | 513         | 8,234              | 5.0       | 410         |                  |                   |            |                   |            |
| AI STUD, 23-07                | LISTED, 08-62                       | 230 | WITH HERD-MATES  | 491         | 8,290              | 5.0       | 412         | 13               | 8,541             | 413        | 8,364             | 410        |
| STATES-                       | 21,22,23,47,51,58                   |     |                  |             |                    |           |             | DIFF.            | 251-              | 1-         |                   |            |
| 509343                        | BAYVILLE MARVELOUS CONQUEROR.....   |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 11-17-53                      | 337933 1131742                      | 14  | NON-AI DAUGHTERS | 23          | 8,666              | 4.9       | 428         |                  |                   |            |                   |            |
|                               | LISTED, 08-63                       | 14  | WITH HERD-MATES  | 23          | 8,666              | 4.9       | 428         | 19               | 8,768             | 417        |                   |            |
| STATES-                       | 52                                  |     |                  |             |                    |           |             | DIFF.            | 102-              | 11         |                   |            |
| 509518                        | DANIEL OF BERCADO.....              |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 12-24-53                      | 338467 918485                       | 18  | NON-AI DAUGHTERS | 23          | 8,206              | 4.6       | 378         |                  |                   |            |                   |            |
|                               | LISTED, 08-63                       | 18  | WITH HERD-MATES  | 23          | 8,206              | 4.6       | 378         | 19               | 8,329             | 393        |                   |            |
| STATES-                       | 32                                  |     |                  |             |                    |           |             | DIFF.            | 123-              | 15-        |                   |            |
| 509552                        | CLA-DRE CDUNT-S JASPER.....         |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 08-27-53                      | 460912 976142                       | 12  | NON-AI DAUGHTERS | 21          | 10,518             | 5.1       | 533         |                  |                   |            |                   |            |
|                               | LISTED, 01-63                       | 11  | WITH HERD-MATES  | 19          | 10,638             | 5.1       | 541         | 38               | 10,400            | 476        |                   |            |
| STATES-                       | 86,91,92                            |     |                  |             |                    |           |             | DIFF.            | 238               | 65         |                   |            |
| 509557                        | SHERBURNE PRAIRIE SPDRTSMAN.....    |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 10-10-53                      | 459489 1139885                      | 32  | AI DAUGHTERS-25* | 35          | 7,495              | 5.0       | 375         |                  |                   |            |                   |            |
| AI STUD, 33-03                | LISTED, 08-63                       | 32  | WITH HERD-MATES  | 35          | 7,495              | 5.0       | 375         | 14               | 8,361             | 400        | 7,967             | 392        |
| STATES-                       | 11,16,21,23,31,33,34,               |     |                  |             |                    |           |             | DIFF.            | 866-              | 25-        |                   |            |
| 35,42,48,51,65,71,93          |                                     | 17  | NON-AI DAUGHTERS | 49          | 8,924              | 4.8       | 432         |                  |                   |            |                   |            |
|                               |                                     | 17  | WITH HERD-MATES  | 49          | 8,924              | 4.8       | 432         | 19               | 9,058             | 428        |                   |            |
|                               |                                     |     |                  |             |                    |           |             | DIFF.            | 134-              | 4          |                   |            |
| 509632                        | AVALONG FARMS IDEAL.....            |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 10-17-53                      | 471454 808221                       | 35  | NDN-AI DAUGHTERS | 80          | 9,583              | 4.6       | 442         |                  |                   |            |                   |            |
|                               | LISTED, 08-62                       | 34  | WITH HERD-MATES  | 79          | 9,696              | 4.6       | 446         | 18               | 9,631             | 436        |                   |            |
| STATES-                       | 23,51,58                            |     |                  |             |                    |           |             | DIFF.            | 65                | 10         |                   |            |
| 509662                        | .....                               |     |                  |             |                    |           |             |                  |                   |            |                   |            |
|                               |                                     | 7   | NON-AI DAUGHTERS | 7           | 9,179              | 4.0       | 371         |                  |                   |            |                   |            |
| STATES-                       | 92                                  | 7   | WITH HERD-MATES  | 7           | 9,179              | 4.0       | 371         | 7                | 10,785            | 438        |                   |            |
|                               |                                     |     |                  |             |                    |           |             | DIFF.            | 1606-             | 67-        |                   |            |
| 509680                        | BECKER FARM-S CUPID.....            |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 11-06-53                      | 444053 880401                       | 5   | NON-AI DAUGHTERS | 5           | 9,188              | 4.9       | 446         |                  |                   |            |                   |            |
| AI STUD, 87-01                | LISTED, 05-64                       | 5   | WITH HERD-MATES  | 5           | 9,188              | 4.9       | 446         | 4                | 8,469             | 411        |                   |            |
| STATES-                       | 81,87                               |     |                  |             |                    |           |             | DIFF.            | 719               | 35         |                   |            |
| 509779                        | WILLOW SPRING NOBLE KING.....       |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 04-18-53                      | 453191 932926                       | 67  | AI DAUGHTERS-25* | 75          | 9,328              | 4.7       | 435         |                  |                   |            |                   |            |
| AI STUD, 35-75                | LISTED, 03-64                       | 64  | WITH HERD-MATES  | 72          | 9,337              | 4.7       | 437         | 18               | 9,054             | 430        | 8,884             | 419        |
| STATES-                       | 21,22,23,31,32,33,34,               |     |                  |             |                    |           |             | DIFF.            | 283               | 7          |                   |            |
| 51,52,55,56,57,58,63,64,72,84 |                                     | 33  | NON-AI DAUGHTERS | 98          | 10,293             | 4.9       | 507         |                  |                   |            |                   |            |
|                               |                                     | 32  | WITH HERD-MATES  | 93          | 10,253             | 4.9       | 505         | 13               | 9,949             | 496        |                   |            |
|                               |                                     |     |                  |             |                    |           |             | DIFF.            | 304               | 9          |                   |            |
| 509973                        | BRAYS ISLAND LUCKY BELMDNT.....     |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 10-30-53                      | 430335 1037546                      | 23  | NON-AI DAUGHTERS | 37          | 4,610              | 5.1       | 233         |                  |                   |            |                   |            |
|                               | LISTED, 08-62                       | 22  | WITH HERD-MATES  | 35          | 4,786              | 5.1       | 242         | 10               | 6,117             | 292        |                   |            |
| STATES-                       | 57                                  |     |                  |             |                    |           |             | DIFF.            | 1331-             | 50-        |                   |            |
| 510014                        | HAZELWOOD HIGH ZENITH.....          |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 04-29-53                      | 452071 764787                       | 7   | AI DAUGHTERS-02  | 9           | 12,024             | 4.7       | 561         |                  |                   |            |                   |            |
| AI STUD, 93-10                | LISTED, 05-64                       | 7   | WITH HERD-MATES  | 9           | 12,024             | 4.7       | 561         | 16               | 10,672            | 507        | 9,170             | 434        |
| STATES-                       | 93                                  |     |                  |             |                    |           |             | DIFF.            | 1352              | 54         |                   |            |
|                               |                                     | 31  | NON-AI DAUGHTERS | 92          | 12,845             | 4.6       | 592         |                  |                   |            |                   |            |
|                               |                                     | 31  | WITH HERD-MATES  | 92          | 12,845             | 4.6       | 592         | 13               | 11,737            | 549        |                   |            |
|                               |                                     |     |                  |             |                    |           |             | DIFF.            | 1108              | 43         |                   |            |
| 510408                        | NEJASCO K. M. P. NOBLE.....         |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 03-16-53                      | 457501 1150041                      | 29  | NON-AI DAUGHTERS | 38          | 8,663              | 4.9       | 423         |                  |                   |            |                   |            |
|                               | LISTED, 08-63                       | 28  | WITH HERD-MATES  | 37          | 8,701              | 4.9       | 425         | 26               | 8,689             | 420        |                   |            |
| STATES-                       | 57                                  |     |                  |             |                    |           |             | DIFF.            | 12                | 5          |                   |            |
| 510634                        | FAIRLAWN K. FORTUNE.....            |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 12-19-53                      | 297107 1265185                      | 48  | NON-AI DAUGHTERS | 100         | 10,664             | 4.7       | 501         |                  |                   |            |                   |            |
| AI STUD, 51-02                | LISTED, 05-64                       | 47  | WITH HERD-MATES  | 98          | 10,671             | 4.7       | 501         | 24               | 9,778             | 466        |                   |            |
| STATES-                       | 16,21,22,23,31,33,43,               |     |                  |             |                    |           |             | DIFF.            | 893               | 35         |                   |            |
| 50,51,54,58,63,65,93          |                                     |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 510695                        | YELLOW CREEK BFT. CHEER LEADER..... |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 12-01-53                      | 475595 1060574                      | 33  | NON-AI DAUGHTERS | 65          | 9,257              | 4.8       | 441         |                  |                   |            |                   |            |
| AI STUD, 42-02                | LISTED, 05-64                       | 31  | WITH HERD-MATES  | 63          | 9,335              | 4.8       | 445         | 7                | 9,230             | 438        |                   |            |
| STATES-                       | 32,34                               |     |                  |             |                    |           |             | DIFF.            | 105               | 7          |                   |            |
| 510762                        | .....                               |     |                  |             |                    |           |             |                  |                   |            |                   |            |
|                               |                                     | 5   | NDN-AI DAUGHTERS | 8           | 6,200              | 4.5       | 280         |                  |                   |            |                   |            |
| STATES-                       | 51                                  | 5   | WITH HERD-MATES  | 7           | 6,270              | 4.6       | 288         | 7                | 6,211             | 292        |                   |            |
|                               |                                     |     |                  |             |                    |           |             | DIFF.            | 59                | 4-         |                   |            |
| 510897                        | LAKE LOUISE ROSE LAD.....           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 08-09-53                      | 288632 1273430                      | 28  | NON-AI DAUGHTERS | 48          | 9,250              | 4.8       | 447         |                  |                   |            |                   |            |
| STATES-                       | 23,58                               | 28  | WITH HERD-MATES  | 47          | 9,281              | 4.8       | 448         | 11               | 9,686             | 477        |                   |            |
|                               |                                     |     |                  |             |                    |           |             | DIFF.            | 405-              | 29-        |                   |            |
| 510948                        | .....                               |     |                  |             |                    |           |             |                  |                   |            |                   |            |
|                               |                                     | 11  | NON-AI DAUGHTERS | 13          | 8,279              | 4.6       | 383         |                  |                   |            |                   |            |
| STATES-                       | 92                                  | 8   | WITH HERD-MATES  | 9           | 8,016              | 4.5       | 360         | 13               | 8,986             | 411        |                   |            |
|                               |                                     |     |                  |             |                    |           |             | DIFF.            | 970-              | 51-        |                   |            |
| 510955                        | FLO-RAY-S GOLDEN SUPERIOR.....      |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 10-26-53                      | 481888 1112133                      | 37  | NON-AI DAUGHTERS | 62          | 7,839              | 5.0       | 390         |                  |                   |            |                   |            |
| STATES-                       | 33,43                               | 36  | WITH HERD-MATES  | 60          | 7,869              | 5.0       | 392         | 19               | 8,323             | 408        |                   |            |
|                               |                                     |     |                  |             |                    |           |             | DIFF.            | 454-              | 16-        |                   |            |

## SIRE OF OHIA DAUGHTERS

| GUERNSEY                      |                                     |     |                  | AV. RECORDS | PRODUCTION | OF MILK | DAU. TEST | FAT | ADJ. AV. | HERD-MATES | AV. FAT | PREDICTED | AV. |
|-------------------------------|-------------------------------------|-----|------------------|-------------|------------|---------|-----------|-----|----------|------------|---------|-----------|-----|
|                               |                                     |     |                  | NUMBER      | L8         | %       | L8        | L8  | NUMBER   | L8         | L8      | MILK      | FAT |
| 511244                        | BURGER-S PLACE 8ILLY.....           |     |                  |             |            |         |           |     |          |            |         |           |     |
| 10-51-53                      | 454224 1278008                      | 10  | AI DAUGHTERS-09  | 10          | 8,012      | 4.7     | 374       |     |          |            |         |           |     |
| AI STUD, 35-75                | LISTED, 05-64                       | 8   | WITH HERD-MATES  | 8           | 7,408      | 4.9     | 361       |     | 11       | 8,595      | 409     | 8,134     | 392 |
| STATES- 16,21,23,31,35,41,42, |                                     |     |                  |             |            |         |           |     | DIFF.    | 1187-      | 48-     |           |     |
| 55,64,74,86,92,93             |                                     | 65  | NON-AI DAUGHTERS | 149         | 12,417     | 4.6     | 565       |     | 22       | 11,255     | 522     |           |     |
|                               |                                     | 65  | WITH HERD-MATES  | 148         | 12,421     | 4.5     | 565       |     | DIFF.    | 1166       | 43      |           |     |
| 511355                        | WALKER FARMS DOUBLE PIPER.....      |     |                  |             |            |         |           |     |          |            |         |           |     |
| 11-16-53                      | 491065 1254944                      | 23  | NON-AI DAUGHTERS | 45          | 8,168      | 4.8     | 390       |     |          |            |         |           |     |
| STATES- 64,65,73,74           |                                     | 23  | WITH HERD-MATES  | 45          | 8,168      | 4.8     | 390       |     | 37       | 8,829      | 415     |           |     |
|                               |                                     |     |                  |             |            |         |           |     | DIFF.    | 661-       | 25-     |           |     |
| 511402                        | FOREMOST J. C.-S STRONGHEART.....   |     |                  |             |            |         |           |     |          |            |         |           |     |
| 11-14-53                      | 390760 785101                       | 6   | AI DAUGHTERS-04  | 6           | 9,007      | 4.8     | 435       |     |          |            |         | 8,591     | 413 |
| AI STUD, 43-02                |                                     | 6   | WITH HERD-MATES  | 6           | 9,007      | 4.8     | 435       |     | 10       | 9,112      | 430     |           |     |
| STATES- 43,73                 |                                     |     |                  |             |            |         |           |     | DIFF.    | 105-       | 5       |           |     |
|                               |                                     | 20  | NON-AI DAUGHTERS | 41          | 9,532      | 4.6     | 439       |     | 7        | 9,545      | 456     |           |     |
|                               |                                     | 20  | WITH HERD-MATES  | 38          | 9,558      | 4.6     | 439       |     | DIFF.    | 13         | 17-     |           |     |
| 511435                        | HOMINY HILL GAGE.....               |     |                  |             |            |         |           |     |          |            |         |           |     |
| 02-18-54                      | 453762 1037559                      | 4   | AI DAUGHTERS-04  |             |            |         |           |     |          |            |         |           |     |
| AI STUD, 31-01                | LISTED, 05-64                       | 3   | WITH HERD-MATES  |             |            |         |           |     |          |            |         |           |     |
| STATES- 31,34,84              |                                     |     |                  |             |            |         |           |     |          |            |         |           |     |
|                               |                                     | 27  | NON-AI DAUGHTERS | 55          | 9,135      | 4.8     | 438       |     | 11       | 9,514      | 449     |           |     |
|                               |                                     | 26  | WITH HERD-MATES  | 53          | 9,088      | 4.8     | 437       |     | DIFF.    | 426-       | 12-     |           |     |
| 511543                        | .....                               |     |                  |             |            |         |           |     |          |            |         |           |     |
| STATES- 58                    |                                     | 5   | NON-AI DAUGHTERS | 5           | 8,388      | 4.8     | 406       |     | 32       | 8,363      | 381     |           |     |
|                               |                                     | 5   | WITH HERD-MATES  | 5           | 8,388      | 4.8     | 406       |     | DIFF.    | 25         | 25      |           |     |
| 511559                        | .....                               |     |                  |             |            |         |           |     |          |            |         |           |     |
| STATES- 23,52                 |                                     | 5   | NON-AI DAUGHTERS | 6           | 8,230      | 4.6     | 379       |     | 10       | 7,866      | 373     |           |     |
|                               |                                     | 5   | WITH HERD-MATES  | 6           | 8,230      | 4.6     | 379       |     | DIFF.    | 364        | 6       |           |     |
| 511627                        | PRESTOALE BON. VICTOR.....          |     |                  |             |            |         |           |     |          |            |         |           |     |
| 02-05-53                      | 496783 1081217                      | 74  | AI DAUGHTERS-25* | 103         | 9,690      | 4.6     | 450       |     |          |            |         | 8,909     | 412 |
| AI STUD, 92-01                | LISTED, 05-64                       | 69  | WITH HERD-MATES  | 96          | 9,657      | 4.6     | 449       |     | 17       | 9,381      | 452     |           |     |
| STATES- 82,92                 |                                     |     |                  |             |            |         |           |     | DIFF.    | 276        | 3-      |           |     |
|                               |                                     | 17  | NON-AI DAUGHTERS | 38          | 11,113     | 4.7     | 517       |     | 11       | 10,221     | 502     |           |     |
|                               |                                     | 14  | WITH HERD-MATES  | 35          | 11,253     | 4.7     | 528       |     | DIFF.    | 1032       | 26      |           |     |
| 511640                        | FOREMOST QUANTITY-S SUPER8.....     |     |                  |             |            |         |           |     |          |            |         |           |     |
| 11-13-53                      | 351131 665992                       | 164 | AI DAUGHTERS-25* | 360         | 8,113      | 4.7     | 383       |     |          |            |         | 8,243     | 390 |
| AI STUD, 23-05                | LISTED, 05-64                       | 156 | WITH HERD-MATES  | 340         | 8,161      | 4.7     | 386       |     | 11       | 8,554      | 409     |           |     |
| STATES- 23,31,43,51,65,73     |                                     |     |                  |             |            |         |           |     | DIFF.    | 393-       | 23-     |           |     |
| 511738                        | .....                               |     |                  |             |            |         |           |     |          |            |         |           |     |
| STATES- 23                    |                                     | 5   | NON-AI DAUGHTERS | 6           | 10,393     | 4.6     | 479       |     | 10       | 9,190      | 425     |           |     |
|                               |                                     | 4   | WITH HERD-MATES  | 5           | 10,826     | 4.6     | 493       |     | DIFF.    | 1636       | 68      |           |     |
| 512096                        | ROSEWOOD ROYAL BUTTERFAT.....       |     |                  |             |            |         |           |     |          |            |         |           |     |
| 10-25-53                      | 473218 1004310                      | 18  | AI DAUGHTERS-12  | 41          | 9,655      | 4.7     | 450       |     |          |            |         | 9,184     | 431 |
| AI STUD, 33-02                |                                     | 18  | WITH HERD-MATES  | 41          | 9,655      | 4.7     | 450       |     | 10       | 8,706      | 418     |           |     |
| STATES- 33,35                 |                                     |     |                  |             |            |         |           |     | DIFF.    | 949        | 32      |           |     |
| 512142                        | STRINGTOWN N. TALENT.....           |     |                  |             |            |         |           |     |          |            |         |           |     |
| 04-21-54                      | 494885 865539                       | 8   | AI DAUGHTERS-08  | 11          | 9,959      | 4.7     | 467       |     |          |            |         | 9,053     | 440 |
| AI STUD, 47-01                | LISTED, 05-64                       | 6   | WITH HERD-MATES  | 9           | 9,830      | 5.0     | 488       |     | 18       | 8,471      | 398     |           |     |
| STATES- 42,47                 |                                     |     |                  |             |            |         |           |     | DIFF.    | 1359       | 90      |           |     |
|                               |                                     | 10  | NON-AI DAUGHTERS | 11          | 7,618      | 4.8     | 367       |     | 5        | 8,718      | 419     |           |     |
|                               |                                     | 9   | WITH HERD-MATES  | 10          | 7,857      | 4.8     | 377       |     | DIFF.    | 861-       | 42-     |           |     |
| 512148                        | LAKE LOUISE BUTTERCUP SOUVENIR..... |     |                  |             |            |         |           |     |          |            |         |           |     |
| 07-25-53                      | 360839 1273424                      | 25  | NON-AI DAUGHTERS | 29          | 9,512      | 4.4     | 423       |     |          |            |         |           |     |
| LISTED, 11-63                 |                                     | 25  | WITH HERD-MATES  | 29          | 9,512      | 4.4     | 423       |     | 15       | 9,645      | 446     |           |     |
| STATES- 23                    |                                     |     |                  |             |            |         |           |     | DIFF.    | 133-       | 23-     |           |     |
| 512193                        | MELFIELD STEADFAST PATRICK.....     |     |                  |             |            |         |           |     |          |            |         |           |     |
| 12-02-52                      | 316459 1557194                      | 20  | NON-AI DAUGHTERS | 37          | 11,561     | 4.3     | 498       |     |          |            |         |           |     |
| AI STUD, 31-02                | LISTED, 05-64                       | 20  | WITH HERD-MATES  | 37          | 11,561     | 4.3     | 498       |     | 25       | 8,960      | 425     |           |     |
| STATES- 23,51,58              |                                     |     |                  |             |            |         |           |     | DIFF.    | 2601       | 73      |           |     |
| 512215                        | .....                               |     |                  |             |            |         |           |     |          |            |         |           |     |
| AI STUD, 31-01                |                                     | 15  | AI DAUGHTERS-12  | 17          | 10,486     | 4.8     | 506       |     |          |            |         | 9,222     | 446 |
| STATES- 31,32,33,35           |                                     | 15  | WITH HERD-MATES  | 17          | 10,486     | 4.8     | 506       |     | 14       | 9,456      | 446     |           |     |
|                               |                                     | 45  | NON-AI DAUGHTERS | 105         | 10,268     | 4.8     | 492       |     | DIFF.    | 1030       | 60      |           |     |
|                               |                                     | 45  | WITH HERD-MATES  | 105         | 10,268     | 4.8     | 492       |     | 8        | 9,545      | 462     |           |     |
|                               |                                     |     |                  |             |            |         |           |     | DIFF.    | 723        | 30      |           |     |
| 512281                        | GOLDEN GRANGE P. CORPORAL.....      |     |                  |             |            |         |           |     |          |            |         |           |     |
| 05-24-53                      | 463332 1263988                      | 17  | NON-AI DAUGHTERS | 39          | 8,968      | 5.2     | 464       |     |          |            |         |           |     |
| AI STUD, 72-01                | LISTED, 05-64                       | 17  | WITH HERD-MATES  | 39          | 8,968      | 5.2     | 464       |     | 16       | 9,379      | 462     |           |     |
| STATES- 21,32,33,61,63        |                                     |     |                  |             |            |         |           |     | DIFF.    | 411-       | 2       |           |     |
| 512492                        | ROSEBUD FARM MCREGAL.....           |     |                  |             |            |         |           |     |          |            |         |           |     |
| 03-04-54                      | 493169 954144                       | 46  | AI DAUGHTERS-25* | 77          | 8,290      | 4.6     | 385       |     |          |            |         | 8,512     | 403 |
| AI STUD, 42-02                | LISTED, 05-64                       | 41  | WITH HERD-MATES  | 72          | 8,335      | 4.7     | 391       |     | 8        | 8,445      | 400     |           |     |
| STATES- 35,42,73              |                                     |     |                  |             |            |         |           |     | DIFF.    | 110-       | 9-      |           |     |
|                               |                                     | 5   | NON-AI DAUGHTERS | 16          | 9,586      | 4.4     | 420       |     | 14       | 9,050      | 420     |           |     |
|                               |                                     | 5   | WITH HERD-MATES  | 15          | 9,582      | 4.4     | 418       |     | DIFF.    | 532        | 2-      |           |     |
| 512569                        | FOREMOST FOOTPRINT-S SUPERIOR.....  |     |                  |             |            |         |           |     |          |            |         |           |     |
| 03-06-54                      | 351131 1316686                      | 9   | AI DAUGHTERS-06  | 14          | 9,131      | 4.9     | 450       |     |          |            |         | 8,683     | 420 |
| AI STUD, 33-02                | LISTED, 05-64                       | 9   | WITH HERD-MATES  | 14          | 9,131      | 4.9     | 450       |     | 8        | 8,993      | 430     |           |     |
| STATES- 43                    |                                     |     |                  |             |            |         |           |     | DIFF.    | 138        | 20      |           |     |
|                               |                                     | 14  | NON-AI DAUGHTERS | 39          | 9,767      | 5.0     | 492       |     | 8        | 9,579      | 464     |           |     |
|                               |                                     | 14  | WITH HERD-MATES  | 39          | 9,767      | 5.0     | 492       |     | DIFF.    | 188        | 28      |           |     |

## SIRE OF OHIA DAUGHTERS

| GUERNSEY                       |                                    |     |                  |     | AV. RECDRDS<br>NUMBER | PRODUCTION<br>MILK LB | OF TEST<br>% | DAU.<br>FAT LB | ADJ. AV.<br>NUMBER | HERO-MATES<br>MILK LB | AV. FAT<br>LB | PREDICTED AV.<br>MILK LB | FAT LB |
|--------------------------------|------------------------------------|-----|------------------|-----|-----------------------|-----------------------|--------------|----------------|--------------------|-----------------------|---------------|--------------------------|--------|
| 512660                         | GDLOEN GRANGE IDEAL WM PENN.....   |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 01-08-54                       | 424343 1103034                     | 191 | AI DAUGHTERS-25* | 421 | 8,586                 | 4.8                   | 415          |                |                    |                       |               |                          |        |
| AI STUD, 23-05                 | LISTED, 05-64                      | 188 | WITH HERD-MATES  | 410 | 8,617                 | 4.8                   | 417          |                |                    |                       |               |                          |        |
| STATES- 23                     |                                    |     |                  |     |                       |                       |              |                | 9                  | 8,691                 | 415           | 8,547                    | 413    |
|                                |                                    |     |                  |     |                       |                       |              |                | DIFF.              | 74-                   | 2             |                          |        |
| 512817                         | FER-MANDR JEWELLER.....            |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 01-14-54                       | 492662 1309063                     | 33  | NON-AI DAUGHTERS | 57  | 7,360                 | 5.0                   | 370          |                |                    |                       |               |                          |        |
| STATES- 23                     |                                    | 33  | WITH HERD-MATES  | 57  | 7,360                 | 5.0                   | 370          |                | 11                 | 8,096                 | 396           |                          |        |
|                                |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 736-                  | 26-           |                          |        |
| 512836                         | MEYER FARM LEVITY COLONEL.....     |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 01-02-54                       | 471455 920679                      | 11  | NON-AI DAUGHTERS | 20  | 8,719                 | 5.0                   | 433          |                |                    |                       |               |                          |        |
| AI STUD, 41-01                 | LISTED, 05-64                      | 9   | WITH HERD-MATES  | 16  | 8,752                 | 4.9                   | 429          |                | 8                  | 9,077                 | 441           |                          |        |
| STATES- 41,45                  |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 325-                  | 12-           |                          |        |
| 512908                         | PRESTOALE ROYAL R. BINGD.....      |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 05-29-54                       | 489042 979780                      | 22  | NON-AI DAUGHTERS | 41  | 8,627                 | 4.5                   | 386          |                |                    |                       |               |                          |        |
| STATES- 92                     |                                    | 22  | WITH HERD-MATES  | 41  | 8,627                 | 4.5                   | 386          |                | 10                 | 9,234                 | 418           |                          |        |
|                                |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 607-                  | 32-           |                          |        |
| 512947                         | FAIRLAWN PRINCE-S SAILOR LAO.....  |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 03-01-54                       | 480378 1368853                     | 5   | AI DAUGHTERS-05  | 5   | 8,258                 | 4.5                   | 374          |                |                    |                       |               |                          |        |
| AI STUO, 16-04                 |                                    | 5   | WITH HERD-MATES  | 5   | 8,258                 | 4.5                   | 374          |                | 7                  | 8,465                 | 412           | 8,545                    | 400    |
| STATES- 13,14,16,22,23,52      |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 207-                  | 38-           |                          |        |
|                                |                                    | 24  | NON-AI DAUGHTERS | 59  | 9,999                 | 5.2                   | 518          |                |                    |                       |               |                          |        |
|                                |                                    | 24  | WITH HERD-MATES  | 57  | 10,048                | 5.2                   | 521          |                | 9                  | 9,803                 | 489           |                          |        |
|                                |                                    |     |                  |     |                       |                       |              |                | DIFF.              | 245                   | 32            |                          |        |
| 512974                         | HENSLEE FARMS V. FAME.....         |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 02-07-54                       | 458786 1408844                     | 35  | AI DAUGHTERS-25* | 35  | 8,697                 | 4.6                   | 397          |                |                    |                       |               |                          |        |
| AI STUD, 33-03                 | LISTED, 05-64                      | 28  | WITH HERD-MATES  | 28  | 9,015                 | 4.6                   | 418          |                | 11                 | 8,940                 | 420           | 8,685                    | 410    |
| STATES- 13,16,21,23,33,35,41,  |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 75                    | 2-            |                          |        |
| 48,51,52,61,63,65,72,73,74,85, |                                    | 65  | NON-AI DAUGHTERS | 106 | 9,748                 | 4.4                   | 429          |                |                    |                       |               |                          |        |
| 87,91                          |                                    | 64  | WITH HERD-MATES  | 105 | 9,772                 | 4.4                   | 433          |                | 17                 | 8,782                 | 399           |                          |        |
|                                |                                    |     |                  |     |                       |                       |              |                | DIFF.              | 990                   | 34            |                          |        |
| 513024                         | MCDONALD FARMS RIVAL VISCOUNT..... |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 01-28-54                       | 493168 706959                      | 9   | NON-AI DAUGHTERS | 14  | 9,271                 | 4.7                   | 440          |                |                    |                       |               |                          |        |
| STATES- 21                     |                                    | 8   | WITH HERD-MATES  | 13  | 9,244                 | 4.8                   | 446          |                | 17                 | 9,509                 | 443           |                          |        |
|                                |                                    |     |                  |     |                       |                       |              |                | DIFF.              | 265-                  | 3             |                          |        |
| 513232                         | .....                              |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
|                                |                                    | 6   | NON-AI DAUGHTERS | 12  | 9,978                 | 4.6                   | 463          |                |                    |                       |               |                          |        |
| STATES- 22                     |                                    | 6   | WITH HERD-MATES  | 12  | 9,978                 | 4.6                   | 463          |                | 26                 | 9,346                 | 441           |                          |        |
|                                |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 632                   | 22            |                          |        |
| 513316                         | RDBINDELL HERCULES.....            |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 02-03-54                       | 483691 1106177                     | 17  | NON-AI DAUGHTERS | 29  | 9,757                 | 4.7                   | 459          |                |                    |                       |               |                          |        |
| STATES- 82,91                  |                                    | 17  | WITH HERD-MATES  | 29  | 9,757                 | 4.7                   | 459          |                | 13                 | 9,818                 | 471           |                          |        |
|                                |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 61-                   | 12-           |                          |        |
| 513332                         | MONTEREY PANSY-S KING.....         |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 04-21-54                       | 496522 1097100                     | 19  | NON-AI DAUGHTERS | 50  | 8,443                 | 4.8                   | 404          |                |                    |                       |               |                          |        |
| AI STUO, 41-01                 | LISTED, 05-64                      | 18  | WITH HERD-MATES  | 49  | 8,474                 | 4.8                   | 410          |                | 6                  | 8,719                 | 405           |                          |        |
| STATES- 41                     |                                    |     |                  |     |                       |                       |              |                | DIFF.              | 245-                  | 5             |                          |        |
| 513439                         | FAIRLAWN ACTOR-S PAL.....          |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 02-12-54                       | 322785 740092                      | 29  | NON-AI DAUGHTERS | 55  | 6,604                 | 4.9                   | 324          |                |                    |                       |               |                          |        |
| STATES- 72                     |                                    | 27  | WITH HERD-MATES  | 53  | 6,637                 | 4.9                   | 325          |                | 72                 | 8,005                 | 367           |                          |        |
|                                |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 1368-                 | 42-           |                          |        |
| 513571                         | NYALA KING-S FINANCIER.....        |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 12-22-53                       | 480123 849123                      | 23  | AI DAUGHTERS-16  | 23  | 8,313                 | 4.5                   | 376          |                |                    |                       |               |                          |        |
| AI STUD, 12-03                 | LISTED, 03-64                      | 20  | WITH HERD-MATES  | 20  | 8,399                 | 4.5                   | 379          |                | 16                 | 8,673                 | 396           | 8,443                    | 400    |
| STATES- 12,13,16,21            |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 274-                  | 17-           |                          |        |
|                                |                                    | 21  | NON-AI DAUGHTERS | 43  | 9,274                 | 4.7                   | 438          |                |                    |                       |               |                          |        |
|                                |                                    | 21  | WITH HERD-MATES  | 42  | 9,236                 | 4.7                   | 435          |                | 13                 | 9,857                 | 483           |                          |        |
|                                |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 621-                  | 48-           |                          |        |
| 513811                         | .....                              |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
|                                |                                    | 38  | NON-AI DAUGHTERS | 87  | 10,015                | 5.2                   | 521          |                |                    |                       |               |                          |        |
| AI STUD, 35-02                 |                                    | 37  | WITH HERD-MATES  | 83  | 10,041                | 5.2                   | 524          |                | 9                  | 9,734                 | 477           |                          |        |
| STATES- 23,32,35,72            |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 307                   | 47            |                          |        |
| 513838                         | 8RDAOOMOOR VERA LEE-S PRIOR.....   |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 06-30-54                       | 436380 1235299                     | 17  | NON-AI DAUGHTERS | 25  | 8,700                 | 4.6                   | 403          |                |                    |                       |               |                          |        |
|                                | LISTED, 08-63                      | 17  | WITH HERD-MATES  | 25  | 8,700                 | 4.6                   | 403          |                | 12                 | 8,025                 | 368           |                          |        |
| STATES- 31,32                  |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 675                   | 35            |                          |        |
| 513946                         | MENOALE KING-S GOLDEN PROMISE..... |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 06-14-54                       | 406019 857756                      | 22  | NON-AI DAUGHTERS | 28  | 8,468                 | 4.8                   | 407          |                |                    |                       |               |                          |        |
|                                | LISTED, 08-63                      | 22  | WITH HERD-MATES  | 28  | 8,468                 | 4.8                   | 407          |                | 10                 | 7,871                 | 381           |                          |        |
| STATES- 31                     |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 597                   | 26            |                          |        |
| 514017                         | MCDONALD FARMS PRE TALISMAN.....   |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 05-14-53                       | 293925 1217058                     | 8   | NON-AI DAUGHTERS | 22  | 10,172                | 4.9                   | 496          |                |                    |                       |               |                          |        |
|                                | LISTED, 08-62                      | 8   | WITH HERD-MATES  | 22  | 10,172                | 4.9                   | 496          |                | 29                 | 10,654                | 518           |                          |        |
| STATES- 16,21,22               |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 482-                  | 22-           |                          |        |
| 514021                         | HETTIE-S KING OF MAYFIELD.....     |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 04-13-54                       | 328741 1114043                     | 50  | NON-AI DAUGHTERS | 106 | 6,113                 | 4.9                   | 300          |                |                    |                       |               |                          |        |
|                                | LISTED, 08-62                      | 49  | WITH HERD-MATES  | 105 | 6,189                 | 4.9                   | 303          |                | 31                 | 6,820                 | 343           |                          |        |
| STATES- 52                     |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 631-                  | 40-           |                          |        |
| 514114                         | FAIRLAWN K. KING.....              |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 05-27-54                       | 297107 771909                      | 38  | NON-AI DAUGHTERS | 61  | 10,036                | 5.0                   | 497          |                |                    |                       |               |                          |        |
|                                | LISTED, 08-63                      | 37  | WITH HERD-MATES  | 59  | 10,049                | 5.0                   | 498          |                | 27                 | 9,894                 | 479           |                          |        |
| STATES- 11,13,14,16,22,23,31,  |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 155                   | 19            |                          |        |
| 33,43,56,74,85,86,93           |                                    |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 514133                         | RDSEWOOD ROYAL BEACON.....         |     |                  |     |                       |                       |              |                |                    |                       |               |                          |        |
| 02-07-54                       | 473218 988438                      | 26  | AI DAUGHTERS-16  | 27  | 9,081                 | 4.5                   | 407          |                |                    |                       |               |                          |        |
| AI STUD, 35-05                 | LISTED, 05-64                      | 23  | WITH HERD-MATES  | 24  | 9,145                 | 4.5                   | 407          |                | 14                 | 9,176                 | 431           | 8,626                    | 397    |
| STATES- 23,35,41,42,51,73      |                                    |     |                  |     |                       |                       |              |                | DIFF.              | 31-                   | 24-           |                          |        |
|                                |                                    | 71  | NON-AI DAUGHTERS | 183 | 10,443                | 4.7                   | 490          |                |                    |                       |               |                          |        |
|                                |                                    | 70  | WITH HERD-MATES  | 182 | 10,492                | 4.7                   | 491          |                | 20                 | 10,014                | 479           |                          |        |
|                                |                                    |     |                  |     |                       |                       |              |                | OIFF.              | 478                   | 12            |                          |        |



## SIRE OF DHIA DAUGHTERS

| GUERNSEY       |                                     |     |                  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | AQJ. AV. NUMBER | HERO-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|----------------|-------------------------------------|-----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 514308         | WESSLAWN ALLEN-S MAGIC.....         |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 05-21-54       | 327434 669087                       | 12  | NDN-AI DAUGHTERS | 17          | 9,151                 | 5.1    | 471         |                 |                    |            |                   |            |
|                | LISTED, 08-63                       | 12  | WITH HERD-MATES  | 17          | 9,151                 | 5.1    | 471         |                 |                    |            |                   |            |
| STATES-        | 82,92                               |     |                  |             |                       |        |             | 12              | 9,802              | 482        |                   |            |
|                |                                     |     |                  |             |                       |        |             | DIFF.           | 651-               | 11-        |                   |            |
| 514340         | .....                               |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|                |                                     | 5   | NON-AI DAUGHTERS | 11          | 6,494                 | 4.7    | 305         |                 |                    |            |                   |            |
| STATES-        | 16                                  | 4   | WITH HERD-MATES  | 8           | 6,581                 | 4.7    | 308         | 9               | 7,390              | 349        |                   |            |
|                |                                     |     |                  |             |                       |        |             | DIFF.           | 809-               | 41-        |                   |            |
| 514404         | WALNUT GROVE S. LEADER.....         |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 03-25-54       | 492218 943925                       | 10  | NON-AI DAUGHTERS | 15          | 7,374                 | 5.1    | 377         |                 |                    |            |                   |            |
|                | LISTED, 08-62                       | 10  | WITH HERD-MATES  | 15          | 7,374                 | 5.1    | 377         | 14              | 7,856              | 380        |                   |            |
| STATES-        | 52,57                               |     |                  |             |                       |        |             | DIFF.           | 482-               | 3-         |                   |            |
| 514530         | MULBERRY HILL EMPEROR.....          |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 08-29-54       | 461661 1384362                      | 8   | NDN-AI DAUGHTERS | 17          | 9,241                 | 4.7    | 433         |                 |                    |            |                   |            |
|                | LISTED, 01-63                       | 8   | WITH HERD-MATES  | 17          | 9,241                 | 4.7    | 433         | 21              | 8,490              | 397        |                   |            |
| STATES-        | 23,51,71                            |     |                  |             |                       |        |             | DIFF.           | 751                | 36         |                   |            |
| 514618         | WILGORLAN FARMS LIEUTENANT.....     |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 03-07-54       | 329184 786188                       | 6   | AI DAUGHTERS-04  | 6           | 9,250                 | 4.9    | 454         |                 |                    |            |                   |            |
| AI STUD, 61-01 | LISTED, 08-62                       | 6   | WITH HERD-MATES  | 6           | 9,250                 | 4.9    | 454         | 11              | 8,712              | 430        | 8,790             | 420        |
| STATES-        | 16,31                               |     |                  |             |                       |        |             | DIFF.           | 538                | 24         |                   |            |
|                |                                     | 15  | NDN-AI DAUGHTERS | 22          | 10,040                | 5.1    | 510         |                 |                    |            |                   |            |
|                |                                     | 15  | WITH HERD-MATES  | 22          | 10,040                | 5.1    | 510         | 8               | 10,128             | 486        |                   |            |
|                |                                     |     |                  |             |                       |        |             | DIFF.           | 88-                | 24         |                   |            |
| 514693         | MCDONALD FARMS JOLLY THANE.....     |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 09-22-53       | 439587 1293108                      | 11  | NON-AI DAUGHTERS | 18          | 7,374                 | 4.7    | 348         |                 |                    |            |                   |            |
|                | LISTED, 08-63                       | 11  | WITH HERD-MATES  | 18          | 7,374                 | 4.7    | 348         | 10              | 7,740              | 369        |                   |            |
| STATES-        | 23                                  |     |                  |             |                       |        |             | DIFF.           | 366-               | 21-        |                   |            |
| 514747         | NORTHERN CONRAD-S COUNT.....        |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 10-05-54       | 301376 779892                       | 14  | NON-AI DAUGHTERS | 34          | 11,216                | 4.9    | 550         |                 |                    |            |                   |            |
| AI STUD, 35-75 | LISTED, 05-64                       | 14  | WITH HERD-MATES  | 30          | 11,196                | 4.9    | 551         | 12              | 12,677             | 616        |                   |            |
| STATES-        | 11,12,23,31                         |     |                  |             |                       |        |             | DIFF.           | 1481-              | 65-        |                   |            |
| 514847         | WHITE WATER MASTER-S LESTER.....    |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 05-21-54       | 473072 1022060                      | 8   | NDN-AI DAUGHTERS | 13          | 11,406                | 5.0    | 567         |                 |                    |            |                   |            |
|                | LISTED, 01-63                       | 8   | WITH HERD-MATES  | 13          | 11,406                | 5.0    | 567         | 18              | 10,833             | 524        |                   |            |
| STATES-        | 91                                  |     |                  |             |                       |        |             | DIFF.           | 573                | 43         |                   |            |
| 514910         | VALLEYLAND HERCULES.....            |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 04-22-54       | 410998 909683                       | 35  | NON-AI DAUGHTERS | 77          | 8,281                 | 4.8    | 398         |                 |                    |            |                   |            |
| STATES-        | 41                                  | 35  | WITH HERD-MATES  | 76          | 8,290                 | 4.8    | 398         | 8               | 8,463              | 403        |                   |            |
|                |                                     |     |                  |             |                       |        |             | DIFF.           | 173-               | 5-         |                   |            |
| 515056         | WODDACES FIDES LEADER.....          |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 02-01-54       | 383832 990894                       | 13  | AI DAUGHTERS-10  | 18          | 9,323                 | 4.6    | 433         |                 |                    |            |                   |            |
| AI STUD, 33-02 | LISTED, 08-63                       | 12  | WITH HERD-MATES  | 16          | 9,381                 | 4.6    | 434         | 12              | 9,346              | 439        | 8,664             | 410        |
| STATES-        | 12,22,33,43,56,92                   |     |                  |             |                       |        |             | DIFF.           | 35                 | 5-         |                   |            |
|                |                                     | 8   | NON-AI DAUGHTERS | 21          | 10,328                | 4.8    | 493         |                 |                    |            |                   |            |
|                |                                     | 8   | WITH HERD-MATES  | 21          | 10,328                | 4.8    | 493         | 26              | 10,571             | 522        |                   |            |
|                |                                     |     |                  |             |                       |        |             | DIFF.           | 243-               | 29-        |                   |            |
| 515206         | KLONOIKE ROMULUS.....               |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 06-06-54       | 490661 1293980                      | 48  | NON-AI DAUGHTERS | 59          | 8,559                 | 4.7    | 400         |                 |                    |            |                   |            |
|                | LISTED, 03-64                       | 48  | WITH HERD-MATES  | 59          | 8,559                 | 4.7    | 400         | 25              | 8,673              | 418        |                   |            |
| STATES-        | 55,56,57,64                         |     |                  |             |                       |        |             | DIFF.           | 114-               | 18-        |                   |            |
| 515285         | PINE GROVE H. TARZAN.....           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 06-06-54       | 328515 1068095                      | 18  | NON-AI DAUGHTERS | 33          | 7,509                 | 5.2    | 394         |                 |                    |            |                   |            |
| STATES-        | 21,23                               | 18  | WITH HERD-MATES  | 33          | 7,509                 | 5.2    | 394         | 16              | 8,221              | 391        |                   |            |
|                |                                     |     |                  |             |                       |        |             | DIFF.           | 712-               | 3          |                   |            |
| 515306         | COLLINWOOD FAWN-S CHALLENGER.....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 04-08-54       | 481593 1420892                      | 9   | NDN-AI DAUGHTERS | 17          | 9,268                 | 4.8    | 448         |                 |                    |            |                   |            |
| STATES-        | 84                                  | 9   | WITH HERD-MATES  | 17          | 9,268                 | 4.8    | 448         | 9               | 8,312              | 387        |                   |            |
|                |                                     |     |                  |             |                       |        |             | DIFF.           | 956                | 61         |                   |            |
| 515308         | MIOVIEW BLAZE-S GDLOEN.....         |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 06-20-54       | 336264 905282                       | 12  | NON-AI DAUGHTERS | 20          | 7,887                 | 5.1    | 404         |                 |                    |            |                   |            |
|                | LISTED, 11-63                       | 12  | WITH HERD-MATES  | 19          | 7,971                 | 5.1    | 408         | 41              | 8,952              | 429        |                   |            |
| STATES-        | 52                                  |     |                  |             |                       |        |             | DIFF.           | 981-               | 21-        |                   |            |
| 515411         | WYND SAINT-S DANE.....              |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 05-24-54       | 429156 1064458                      | 34  | NON-AI DAUGHTERS | 52          | 8,473                 | 5.2    | 437         |                 |                    |            |                   |            |
| STATES-        | 23                                  | 33  | WITH HERD-MATES  | 51          | 8,555                 | 5.2    | 442         | 19              | 9,941              | 467        |                   |            |
|                |                                     |     |                  |             |                       |        |             | DIFF.           | 1386-              | 25-        |                   |            |
| 515433         | HOMINY HILL PRIDE.....              |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 11-23-54       | 431647 1085972                      | 64  | AI DAUGHTERS-25* | 122         | 8,930                 | 4.9    | 434         |                 |                    |            |                   |            |
| AI STUD, 31-01 |                                     | 64  | WITH HERD-MATES  | 122         | 8,930                 | 4.9    | 434         | 15              | 9,077              | 436        | 8,525             | 411        |
| STATES-        | 23,31,32,58,85                      |     |                  |             |                       |        |             | DIFF.           | 147-               | 2-         |                   |            |
| 515499         | GOLDEN GRANGE PETUNIA-S VERNER..... |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 06-03-54       | 474648 1200471                      | 15  | AI DAUGHTERS-15  | 23          | 8,539                 | 5.0    | 425         |                 |                    |            |                   |            |
| AI STUD, 35-05 | LISTED, 05-64                       | 15  | WITH HERD-MATES  | 23          | 8,539                 | 5.0    | 425         | 19              | 8,770              | 416        | 8,491             | 416        |
| STATES-        | 31,32,33,35,41,47,72                |     |                  |             |                       |        |             | DIFF.           | 231-               | 9          |                   |            |
|                |                                     | 15  | NON-AI DAUGHTERS | 36          | 8,537                 | 4.9    | 415         |                 |                    |            |                   |            |
|                |                                     | 15  | WITH HERD-MATES  | 35          | 8,540                 | 4.9    | 415         | 13              | 8,311              | 397        |                   |            |
|                |                                     |     |                  |             |                       |        |             | DIFF.           | 229                | 18         |                   |            |
| 515501         | FDREMOST QUALITY-S J. C.....        |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 06-09-54       | 390760 1004897                      | 114 | AI DAUGHTERS-25* | 268         | 9,378                 | 4.6    | 430         |                 |                    |            |                   |            |
| AI STUD, 23-05 | LISTED, 05-64                       | 111 | WITH HERD-MATES  | 261         | 9,478                 | 4.6    | 435         | 12              | 8,745              | 419        | 9,281             | 426        |
| STATES-        | 23,43,84                            |     |                  |             |                       |        |             | DIFF.           | 733                | 16         |                   |            |
|                |                                     | 4   | NON-AI DAUGHTERS | 10          | 9,908                 | 4.7    | 470         |                 |                    |            |                   |            |
|                |                                     | 4   | WITH HERD-MATES  | 10          | 9,908                 | 4.7    | 470         | 33              | 9,658              | 439        |                   |            |
|                |                                     |     |                  |             |                       |        |             | DIFF.           | 250                | 31         |                   |            |
| 515534         | FLYING HORSE LUCKY-S PROMISE.....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 06-26-54       | 353618 882788                       | 30  | NON-AI DAUGHTERS | 73          | 9,025                 | 4.8    | 433         |                 |                    |            |                   |            |
| STATES-        | 12                                  | 30  | WITH HERD-MATES  | 72          | 9,035                 | 4.8    | 433         | 5               | 9,253              | 438        |                   |            |
|                |                                     |     |                  |             |                       |        |             | DIFF.           | 218-               | 5-         |                   |            |



| SIREs OF DHIA DAUGHTERS                          |         |        |      | AV. PRODUCTION OF | ADJ. HERO-MATES | AV. PREDICTED |      |           |
|--|---------|--------|------|-------------------|-----------------|---------------|------|-----------|
| GUERNSEY   | RECORDS | MILK   | TEST | FAT               | AV. MILK        | FAT           | MILK | FAT       |
|  | NUMBER  | LBS    | %    | LBS               | NUMBER          | LBS           | LBS  | LBS       |
| 515620 ELMBETH LUCKY EMDRY.....                  |         |        |      |                   |                 |               |      |           |
| 09-17-54 493860 672128 12 NDN-AI DAUGHTERS       | 15      | 7,322  | 4.8  | 351               |                 |               |      |           |
| LISTED, 11-63 12 WITH HERD-MATES                 | 15      | 7,322  | 4.8  | 351               | 17              | 8,813         | 416  |           |
| STATES- 23,31,56                                 |         |        |      |                   | DIFF.           | 1491-         | 65-  |           |
| 515717 HENSLEE FARMS D ONWARD.....               |         |        |      |                   |                 |               |      |           |
| 11-12-54 426335 1010804 22 AI DAUGHTERS-19       | 22      | 7,626  | 4.5  | 342               |                 |               |      |           |
| AI STUD, 33-03 LISTED, 05-64 20 WITH HERD-MATES  | 20      | 7,723  | 4.5  | 348               | 15              | 8,299         | 389  | 8,233 384 |
| STATES- 13,21,23,32,33,34,35,                    |         |        |      |                   | DIFF.           | 576-          | 41-  |           |
| 55,63,64,65 26 NDN-AI DAUGHTERS                  | 62      | 8,533  | 4.5  | 387               |                 |               |      |           |
| 26 WITH HERD-MATES                               | 62      | 8,533  | 4.5  | 387               | 16              | 9,216         | 420  |           |
|  |         |        |      |                   | DIFF.           | 683-          | 33-  |           |
| 515718 HENSLEE FARMS D FORWARD.....              |         |        |      |                   |                 |               |      |           |
| 11-12-54 426335 1010804 15 NDN-AI DAUGHTERS      | 25      | 9,681  | 4.8  | 466               |                 |               |      |           |
| AI STUD, 63-02 LISTED, 05-64 15 WITH HERD-MATES  | 25      | 9,681  | 4.8  | 466               | 22              | 8,643         | 435  |           |
| STATES- 63,65                                    |         |        |      |                   | DIFF.           | 1038          | 31   |           |
| 515800 FIRESIDE CONSTANT.....                    |         |        |      |                   |                 |               |      |           |
| 06-22-54 497382 1103647 17 NDN-AI DAUGHTERS      | 27      | 8,597  | 5.2  | 448               |                 |               |      |           |
| STATES- 31 17 WITH HERD-MATES                    | 24      | 8,646  | 5.2  | 449               | 9               | 8,901         | 419  |           |
|  |         |        |      |                   | DIFF.           | 255-          | 30   |           |
| 515907 HAMHURST DANNY 8DY PRODUCTION.....        |         |        |      |                   |                 |               |      |           |
| 08-18-54 335475 1234328 11 NDN-AI DAUGHTERS      | 21      | 9,430  | 5.0  | 470               |                 |               |      |           |
| STATES- 52,56,63 11 WITH HERD-MATES              | 21      | 9,430  | 5.0  | 470               | 11              | 8,802         | 439  |           |
|  |         |        |      |                   | DIFF.           | 628           | 31   |           |
| 515954 DNAHILL RYAL PHILDSOPHER.....             |         |        |      |                   |                 |               |      |           |
| 07-21-54 432935 1097419 24 NDN-AI DAUGHTERS      | 63      | 9,204  | 4.9  | 453               |                 |               |      |           |
| STATES- 22 24 WITH HERD-MATES                    | 63      | 9,204  | 4.9  | 453               | 16              | 8,787         | 436  |           |
|  |         |        |      |                   | DIFF.           | 417           | 17   |           |
| 515994 SKYLINE LEE-S OANCER.....                 |         |        |      |                   |                 |               |      |           |
| 12-16-53 483717 1432318 17 NON-AI DAUGHTERS      | 52      | 8,812  | 4.9  | 435               |                 |               |      |           |
| AI STUD, 47-01 LISTED, 05-64 16 WITH HERD-MATES  | 51      | 8,813  | 4.9  | 435               | 7               | 9,256         | 447  |           |
| STATES- 47                                       |         |        |      |                   | DIFF.           | 443-          | 12-  |           |
| 516149 DAIRYMAN F-S JADO.....                    |         |        |      |                   |                 |               |      |           |
| 09-06-54 433214 1238262 15 NDN-AI DAUGHTERS      | 22      | 8,485  | 5.4  | 454               |                 |               |      |           |
| LISTED, 08-63 13 WITH HERD-MATES                 | 20      | 8,649  | 5.4  | 464               | 18              | 9,208         | 477  |           |
| STATES- 35                                       |         |        |      |                   | DIFF.           | 559-          | 13-  |           |
| 516350 MAURANA GRACE-S KING.....                 |         |        |      |                   |                 |               |      |           |
| 12-03-53 329184 1179397 39 NDN-AI DAUGHTERS      | 60      | 9,489  | 5.2  | 493               |                 |               |      |           |
| STATES- 23,31,32,52,54 38 WITH HERD-MATES        | 57      | 9,459  | 5.2  | 492               | 12              | 10,022        | 495  |           |
|  |         |        |      |                   | DIFF.           | 563-          | 3-   |           |
| 516451 COLBY INSPECTOR.....                      |         |        |      |                   |                 |               |      |           |
| 07-16-54 476974 765729 21 NDN-AI DAUGHTERS       | 40      | 9,340  | 4.8  | 449               |                 |               |      |           |
| STATES- 23,32,33,34,35 21 WITH HERD-MATES        | 40      | 9,340  | 4.8  | 449               | 20              | 9,706         | 477  |           |
|  |         |        |      |                   | DIFF.           | 366-          | 28-  |           |
| 516488 BURTON LANE GRACE-S STEADFAST.....        |         |        |      |                   |                 |               |      |           |
| 08-06-54 357051 855998 61 NDN-AI DAUGHTERS       | 113     | 6,727  | 4.9  | 327               |                 |               |      |           |
| LISTED, 08-63 61 WITH HERD-MATES                 | 111     | 6,747  | 4.9  | 328               | 21              | 7,472         | 349  |           |
| STATES- 35                                       |         |        |      |                   | DIFF.           | 725-          | 21-  |           |
| 516558 CEDARCRFT PROMISE-S LUCKY.....            |         |        |      |                   |                 |               |      |           |
| 05-07-54 495514 1301172 15 NDN-AI DAUGHTERS      | 30      | 7,886  | 5.3  | 417               |                 |               |      |           |
| STATES- 91 15 WITH HERD-MATES                    | 30      | 7,886  | 5.3  | 417               | 8               | 8,905         | 462  |           |
|  |         |        |      |                   | DIFF.           | 1019-         | 45-  |           |
| 516670 .....                                     |         |        |      |                   |                 |               |      |           |
| STATES- 32 10 NDN-AI DAUGHTERS                   | 13      | 10,382 | 4.5  | 470               |                 |               |      |           |
| 10 WITH HERD-MATES                               | 13      | 10,382 | 4.5  | 470               | 16              | 8,813         | 433  |           |
|  |         |        |      |                   | DIFF.           | 1569          | 37   |           |
| 516743 COLOSPPRINGS DEFENDERS INFORMER.....      |         |        |      |                   |                 |               |      |           |
| 12-02-54 490661 1436860 11 NON-AI DAUGHTERS      | 18      | 8,570  | 4.8  | 411               |                 |               |      |           |
| STATES- 32 11 WITH HERD-MATES                    | 18      | 8,570  | 4.8  | 411               | 13              | 9,566         | 455  |           |
|  |         |        |      |                   | DIFF.           | 996-          | 44-  |           |
| 516793 .....                                     |         |        |      |                   |                 |               |      |           |
| STATES- 92 5 NON-AI DAUGHTERS                    | 5       | 12,414 | 3.9  | 486               |                 |               |      |           |
| 5 WITH HERD-MATES                                | 5       | 12,414 | 3.9  | 486               | 8               | 9,620         | 399  |           |
|  |         |        |      |                   | DIFF.           | 2794          | 87   |           |
| 516969 NORTHERN ANNA-S KING.....                 |         |        |      |                   |                 |               |      |           |
| 02-09-55 419508 1344800 30 NON-AI DAUGHTERS      | 83      | 9,222  | 4.9  | 456               |                 |               |      |           |
| LISTED, 08-62 29 WITH HERD-MATES                 | 80      | 9,328  | 4.9  | 461               | 17              | 9,017         | 426  |           |
| STATES- 12,13                                    |         |        |      |                   | DIFF.           | 311           | 35   |           |
| 517080 MULHOCWAY BUTTERFAT DIPLOMAT.....         |         |        |      |                   |                 |               |      |           |
| 08-11-54 431323 1059368 366 AI DAUGHTERS-25*     | 656     | 9,061  | 4.8  | 436               |                 |               |      |           |
| AI STUD, 31-02 LISTED, 05-64 359 WITH HERD-MATES | 642     | 9,072  | 4.8  | 436               | 22              | 9,090         | 432  | 8,638 417 |
| STATES- 14,23,31,32,33,35,43,                    |         |        |      |                   | DIFF.           | 18-           | 4    |           |
| 51,55,56,58,64,74                                |         |        |      |                   |                 |               |      |           |
| 517081 MULHOCWAY BUTTERFAT PRIMATE.....          |         |        |      |                   |                 |               |      |           |
| 10-22-54 493764 7303222 36 NON-AI DAUGHTERS      | 90      | 10,163 | 4.9  | 501               |                 |               |      |           |
| AI STUD, 35-75 LISTED, 05-64 36 WITH HERD-MATES  | 90      | 10,163 | 4.9  | 501               | 17              | 10,547        | 506  |           |
| STATES- 14,16,23,31                              |         |        |      |                   | DIFF.           | 384-          | 5-   |           |
| 517117 .....                                     |         |        |      |                   |                 |               |      |           |
| STATES- 91,92,93 12 NDN-AI DAUGHTERS             | 23      | 10,150 | 4.8  | 483               |                 |               |      |           |
| 10 WITH HERD-MATES                               | 20      | 10,514 | 4.8  | 505               | 15              | 9,870         | 465  |           |
|  |         |        |      |                   | DIFF.           | 644           | 40   |           |
| 517339 FRANKLIN LAKE-S CAVALIER.....             |         |        |      |                   |                 |               |      |           |
| 02-01-55 409032 989682 9 NDN-AI DAUGHTERS        | 13      | 8,563  | 4.6  | 391               |                 |               |      |           |
| LISTED, 11-63 9 WITH HERD-MATES                  | 13      | 8,563  | 4.6  | 391               | 35              | 8,971         | 425  |           |
| STATES- 21,22,23                                 |         |        |      |                   | DIFF.           | 408-          | 34-  |           |

| SIRE OF DHIA DAUGHTERS         |                                    |    |                  |     | AV. PRODUCTION OF DAU. |      |      |     | ADJ. HERO-MATES AV. |        |     | PREDICTED AV. |     |
|--------------------------------|------------------------------------|----|------------------|-----|------------------------|------|------|-----|---------------------|--------|-----|---------------|-----|
| GUERNSEY                       |                                    |    |                  |     | RECORDS                | MILK | TEST | FAT | AV.                 | MILK   | FAT | MILK          | FAT |
|                                |                                    |    |                  |     | NUMBER                 | LB   | %    | LB  | NUMBER              | LB     | LB  | LB            | LB  |
| 517403                         | SHAD 8LOW TYRANT.....              |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 10-20-53                       | 322785 767943                      | 20 | NON-AI DAUGHTERS | 36  | 9,659                  | 4.6  | 444  |     |                     |        |     |               |     |
|                                | LISTED, 01-63                      | 20 | WITH HERD-MATES  | 36  | 9,659                  | 4.6  | 444  |     | 55                  | 8,732  | 407 |               |     |
| STATES-                        | 56,58                              |    |                  |     |                        |      |      |     | DIFF.               | 927    | 37  |               |     |
| 517541                         | .....                              |    |                  |     |                        |      |      |     |                     |        |     |               |     |
|                                |                                    | 5  | NON-AI DAUGHTERS | 7   | 9,368                  | 4.6  | 427  |     |                     |        |     |               |     |
| STATES-                        | 92                                 | 5  | WITH HERD-MATES  | 7   | 9,368                  | 4.6  | 427  |     | 9                   | 9,860  | 435 |               |     |
|                                |                                    |    |                  |     |                        |      |      |     | DIFF.               | 492-   | 8-  |               |     |
| 517617                         | EDISTO FARMS OIMPLE-S FAVOR.....   |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 12-09-54                       | 483791 1189489                     | 20 | NON-AI DAUGHTERS | 47  | 7,740                  | 4.7  | 363  |     |                     |        |     |               |     |
|                                | LISTED, 08-62                      | 20 | WITH HERD-MATES  | 47  | 7,740                  | 4.7  | 363  |     | 61                  | 8,140  | 376 |               |     |
| STATES-                        | 55,56                              |    |                  |     |                        |      |      |     | DIFF.               | 400-   | 13- |               |     |
| 517661                         | SECO PILOT.....                    |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 03-18-54                       | 445354 1282642                     | 12 | NON-AI DAUGHTERS | 16  | 6,068                  | 5.2  | 315  |     |                     |        |     |               |     |
|                                | LISTED, 01-63                      | 10 | WITH HERD-MATES  | 12  | 6,037                  | 5.2  | 316  |     | 3                   | 8,122  | 389 |               |     |
| STATES-                        | 43                                 |    |                  |     |                        |      |      |     | DIFF.               | 2085-  | 73- |               |     |
| 517838                         | LAKE LOUISE ROYAL SUPERB.....      |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 10-25-54                       | 402201 1366995                     | 41 | AI DAUGHTERS-25* | 41  | 8,795                  | 5.0  | 436  |     |                     |        |     |               |     |
| AI STUO, 23-08                 | LISTED, 03-64                      | 39 | WITH HERD-MATES  | 39  | 8,927                  | 4.9  | 440  |     | 12                  | 8,883  | 429 | 8,663         | 421 |
| STATES-                        | 21,23,55                           |    |                  |     |                        |      |      |     | DIFF.               | 44     | 11  |               |     |
|                                |                                    | 35 | NON-AI DAUGHTERS | 57  | 10,168                 | 4.7  | 480  |     |                     |        |     |               |     |
|                                |                                    | 35 | WITH HERD-MATES  | 57  | 10,168                 | 4.7  | 480  |     | 14                  | 9,840  | 467 |               |     |
|                                |                                    |    |                  |     |                        |      |      |     | DIFF.               | 328    | 13  |               |     |
| 517951                         | WODDACRES FORE KING.....           |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 01-26-54                       | 473782 987475                      | 12 | NON-AI DAUGHTERS | 14  | 8,135                  | 4.8  | 392  |     |                     |        |     |               |     |
|                                | LISTED, 08-62                      | 11 | WITH HERD-MATES  | 12  | 8,153                  | 4.9  | 397  |     | 14                  | 8,480  | 389 |               |     |
| STATES-                        | 12                                 |    |                  |     |                        |      |      |     | DIFF.               | 327-   | 8   |               |     |
| 518003                         | BARBEE-S MODEL DUKE.....           |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 04-05-53                       | 479443 1051326                     | 26 | NON-AI DAUGHTERS | 70  | 8,818                  | 4.9  | 433  |     |                     |        |     |               |     |
|                                | LISTED, 08-62                      | 24 | WITH HERD-MATES  | 68  | 8,916                  | 4.9  | 437  |     | 10                  | 8,384  | 409 |               |     |
| STATES-                        | 33                                 |    |                  |     |                        |      |      |     | DIFF.               | 532    | 28  |               |     |
| 518018                         | MCDONALD FARMS MISTER VINCENT..... |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 06-02-54                       | 488786 1106764                     | 15 | NON-AI DAUGHTERS | 19  | 9,060                  | 5.1  | 460  |     |                     |        |     |               |     |
| AI STUO, 12-03                 | LISTED, 05-64                      | 14 | WITH HERD-MATES  | 18  | 9,207                  | 5.1  | 470  |     | 8                   | 8,682  | 421 |               |     |
| STATES-                        | 12,13,14                           |    |                  |     |                        |      |      |     | DIFF.               | 525    | 49  |               |     |
| 518025                         | MCDONALD FARMS RIVAL VIKING.....   |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 09-12-54                       | 493168 907253                      | 55 | AI DAUGHTERS-25* | 55  | 7,792                  | 4.7  | 367  |     |                     |        |     |               |     |
| AI STUO, 33-03                 | LISTED, 05-64                      | 52 | WITH HERD-MATES  | 52  | 7,856                  | 4.7  | 371  |     | 11                  | 8,435  | 401 | 8,126         | 386 |
| STATES-                        | 11,12,14,16,21,23,31,              |    |                  |     |                        |      |      |     | DIFF.               | 579-   | 30- |               |     |
| 32,33,35,42,47,50,51,56,64,65, |                                    | 30 | NON-AI DAUGHTERS | 64  | 9,245                  | 4.8  | 447  |     |                     |        |     |               |     |
| 87                             |                                    | 30 | WITH HERD-MATES  | 64  | 9,245                  | 4.8  | 447  |     | 13                  | 9,779  | 483 |               |     |
|                                |                                    |    |                  |     |                        |      |      |     | DIFF.               | 534-   | 36- |               |     |
| 518026                         | MCDONALD FARMS MISTER VIRGIL.....  |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 12-12-54                       | 488786 958368                      | 30 | AI DAUGHTERS-20  | 32  | 10,337                 | 4.7  | 481  |     |                     |        |     |               |     |
| AI STUO, 35-02                 | LISTED, 05-64                      | 29 | WITH HERD-MATES  | 31  | 10,365                 | 4.7  | 482  |     | 12                  | 9,217  | 442 | 9,455         | 441 |
| STATES-                        | 33,35                              |    |                  |     |                        |      |      |     | DIFF.               | 1148   | 40  |               |     |
|                                |                                    | 19 | NON-AI DAUGHTERS | 33  | 10,094                 | 5.0  | 507  |     |                     |        |     |               |     |
|                                |                                    | 19 | WITH HERD-MATES  | 33  | 10,094                 | 5.0  | 507  |     | 8                   | 9,258  | 458 |               |     |
|                                |                                    |    |                  |     |                        |      |      |     | DIFF.               | 836    | 49  |               |     |
| 518035                         | BRINOLE MASTER-S SERGEANT.....     |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 09-26-54                       | 468964 1390805                     | 14 | NON-AI DAUGHTERS | 29  | 8,462                  | 4.8  | 408  |     |                     |        |     |               |     |
|                                | LISTED, 08-62                      | 14 | WITH HERD-MATES  | 29  | 8,462                  | 4.8  | 408  |     | 21                  | 8,574  | 414 |               |     |
| STATES-                        | 32                                 |    |                  |     |                        |      |      |     | DIFF.               | 112-   | 6-  |               |     |
| 518090                         | FAIRLAWN ACTOR-S FOREMOST.....     |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 11-02-54                       | 322785 1097431                     | 89 | NON-AI DAUGHTERS | 166 | 10,066                 | 4.7  | 475  |     |                     |        |     |               |     |
|                                | LISTED, 01-63                      | 89 | WITH HERD-MATES  | 166 | 10,066                 | 4.7  | 475  |     | 32                  | 9,551  | 453 |               |     |
| STATES-                        | 11,15,21,22,23,31,32,              |    |                  |     |                        |      |      |     | DIFF.               | 515    | 22  |               |     |
| 35,56,58,64                    |                                    |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 518092                         | FAIRLAWN HORNET-S REX.....         |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 12-03-54                       | 362352 1368850                     | 38 | NON-AI DAUGHTERS | 54  | 8,094                  | 5.0  | 402  |     |                     |        |     |               |     |
|                                | LISTED, 08-63                      | 38 | WITH HERD-MATES  | 54  | 8,094                  | 5.0  | 402  |     | 59                  | 9,149  | 439 |               |     |
| STATES-                        | 21,23,31,55,58                     |    |                  |     |                        |      |      |     | DIFF.               | 1055-  | 37- |               |     |
| 518093                         | FAIRLAWN HORNET-S TRAVELER.....    |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 01-03-55                       | 362352 1260677                     | 2  | AI DAUGHTERS-02  |     |                        |      |      |     |                     |        |     |               |     |
| AI STUO, 43-02                 | LISTED, 08-62                      | 2  | WITH HERD-MATES  |     |                        |      |      |     |                     |        |     |               |     |
| STATES-                        | 43,48,73                           |    |                  |     |                        |      |      |     |                     |        |     |               |     |
|                                |                                    | 19 | NON-AI DAUGHTERS | 36  | 8,379                  | 4.8  | 401  |     |                     |        |     |               |     |
|                                |                                    | 19 | WITH HERD-MATES  | 33  | 8,362                  | 4.8  | 400  |     | 10                  | 7,849  | 376 |               |     |
|                                |                                    |    |                  |     |                        |      |      |     | DIFF.               | 513    | 24  |               |     |
| 518098                         | RANSOM SATANTA-S SCHOLAR.....      |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 02-06-55                       | 472450 1513306                     | 26 | NON-AI DAUGHTERS | 41  | 8,832                  | 4.9  | 437  |     |                     |        |     |               |     |
| AI STUO, 35-75                 | LISTED, 05-64                      | 25 | WITH HERD-MATES  | 40  | 8,904                  | 4.9  | 438  |     | 9                   | 8,290  | 416 |               |     |
| STATES-                        | 48                                 |    |                  |     |                        |      |      |     | DIFF.               | 614    | 22  |               |     |
| 518192                         | OPEN HEARTH FAITH-S ROYAL.....     |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 03-01-55                       | 497293 1106294                     | 23 | NON-AI DAUGHTERS | 40  | 8,447                  | 5.2  | 439  |     |                     |        |     |               |     |
| STATES-                        | 16,21,58                           | 23 | WITH HERD-MATES  | 40  | 8,447                  | 5.2  | 439  |     | 19                  | 9,340  | 450 |               |     |
|                                |                                    |    |                  |     |                        |      |      |     | DIFF.               | 893-   | 11- |               |     |
| 518395                         | CHEOCO SAMSON.....                 |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 02-06-55                       | 501368 1037560                     | 25 | NON-AI DAUGHTERS | 65  | 10,627                 | 4.6  | 485  |     |                     |        |     |               |     |
| STATES-                        | 31                                 | 24 | WITH HERD-MATES  | 63  | 10,655                 | 4.6  | 488  |     | 8                   | 10,960 | 509 |               |     |
|                                |                                    |    |                  |     |                        |      |      |     | DIFF.               | 305-   | 21- |               |     |
| 518612                         | CLOVER-OAKS ROYAL CITATION.....    |    |                  |     |                        |      |      |     |                     |        |     |               |     |
| 08-12-54                       | 438330 801311                      | 5  | AI DAUGHTERS-05  | 5   | 8,760                  | 4.9  | 430  |     |                     |        |     |               |     |
| AI STUO, 35-02                 |                                    | 5  | WITH HERD-MATES  | 5   | 8,760                  | 4.9  | 430  |     | 13                  | 9,488  | 462 | 8,423         | 403 |
| STATES-                        | 35,71                              |    |                  |     |                        |      |      |     | DIFF.               | 728-   | 32- |               |     |
|                                |                                    | 9  | NON-AI DAUGHTERS | 14  | 6,722                  | 4.7  | 315  |     |                     |        |     |               |     |
|                                |                                    | 9  | WITH HERD-MATES  | 14  | 6,722                  | 4.7  | 315  |     | 29                  | 8,363  | 369 |               |     |
|                                |                                    |    |                  |     |                        |      |      |     | DIFF.               | 1641-  | 54- |               |     |

SIRES OF OHIA DAUGHTERS

[illegible]



## SIREs OF DHIA DAUGHTERS

| GUERNSEY  |  |  |  | AV. PRDUCTION OF | DAU.  | ADJ. | HERD-MATES | AV.   | PREDICTED | AV.       |
|---|--|--|--|------------------|-------|------|------------|-------|-----------|-----------|
|   |  |  |  | RECORDS          | FAT   | AV.  | MILK       | FAT   | MILK      | FAT       |
|   |  |  |  | NUMBER           | L8    | %    | L8         | L8    | L8        | L8        |
| 519789 WALKER FARMS LE PI ADDNIS.....           |  |  |  |                  |       |      |            |       |           |           |
| D5-2D-55 491D65 126287D 9 NDN-AI DAUGHTERS      |  |  |  | 1D               | 7,124 | 4.6  | 325        |       |           |           |
| LISTED, D3-64 9 WITH HERD-MATES                 |  |  |  | 1D               | 7,124 | 4.6  | 325        | 17    | 7,330     | 326       |
| STATES- 65                                      |  |  |  |                  |       |      |            | DIFF. | 206-      | 1-        |
| 51979D BEGEACRES STAR-S CRDWN PRINCE.....       |  |  |  |                  |       |      |            |       |           |           |
| D8-04-54 439806 971979 17 NDN-AI DAUGHTERS      |  |  |  | 29               | 8,498 | 4.6  | 393        |       |           |           |
| LISTED, D8-63 17 WITH HERD-MATES                |  |  |  | 29               | 8,498 | 4.6  | 393        | 12    | 8,279     | 401       |
| STATES- 14,21,23,33,43                          |  |  |  |                  |       |      |            | DIFF. | 219       | 8-        |
| 51981D MAPLE LAWN DESIGNER.....                 |  |  |  |                  |       |      |            |       |           |           |
| 04-18-55 47245D 77452D 8 NDN-AI DAUGHTERS       |  |  |  | 12               | 7,518 | 5.3  | 4D2        |       |           |           |
| LISTED, 11-63 8 WITH HERD-MATES                 |  |  |  | 12               | 7,518 | 5.3  | 4D2        | 9     | 8,016     | 401       |
| STATES- 32,33                                   |  |  |  |                  |       |      |            | DIFF. | 498-      | 1         |
| 52DD55 SHADY REST MAX PRINCE.....               |  |  |  |                  |       |      |            |       |           |           |
| D9-19-54 495300 94322D 12 NDN-AI DAUGHTERS      |  |  |  | 2D               | 8,527 | 4.9  | 422        |       |           |           |
| LISTED, 11-63 12 WITH HERD-MATES                |  |  |  | 2D               | 8,527 | 4.9  | 422        | 46    | 8,837     | 418       |
| STATES- 52,55                                   |  |  |  |                  |       |      |            | DIFF. | 31D-      | 4         |
| 52DD89 MCDONALD FARMS LE VARDEN.....            |  |  |  |                  |       |      |            |       |           |           |
| D3-12-54 423199 814784 1 AI DAUGHTERS-D1        |  |  |  |                  |       |      |            |       |           |           |
| AI STUD, 41-25 LISTED, 05-64 1 WITH HERD-MATES  |  |  |  |                  |       |      |            |       |           |           |
| STATES- 35,41,65                                |  |  |  |                  |       |      |            |       |           |           |
|   |  |  |  | 25               | 8,798 | 5.0  | 440        |       |           |           |
|   |  |  |  | 25               | 8,798 | 5.0  | 440        | 12    | 8,920     | 434       |
|   |  |  |  |                  |       |      |            | DIFF. | 122-      | 6         |
| 520157 HAMPTONBURGH PHARADH-S RUSH.....         |  |  |  |                  |       |      |            |       |           |           |
| D3-01-55 298216 11D9533 9 NDN-AI DAUGHTERS      |  |  |  | 22               | 6,611 | 4.6  | 304        |       |           |           |
| STATES- 21 9 WITH HERD-MATES                    |  |  |  | 22               | 6,611 | 4.6  | 304        | 23    | 6,819     | 308       |
|   |  |  |  |                  |       |      |            | DIFF. | 208-      | 4-        |
| 52D18D .....                                    |  |  |  |                  |       |      |            |       |           |           |
|   |  |  |  |                  |       |      |            |       |           |           |
|   |  |  |  | 5                | 7,356 | 4.6  | 336        |       |           |           |
| STATES- 35,65 5 WITH HERD-MATES                 |  |  |  | 7                | 7,356 | 4.6  | 336        | 1D    | 7,815     | 368       |
|   |  |  |  |                  |       |      |            | DIFF. | 459-      | 32-       |
| 52D297 MIDLAND STATESMAN-S GENERAL.....         |  |  |  |                  |       |      |            |       |           |           |
| 01-18-55 494226 856901 22 NDN-AI DAUGHTERS      |  |  |  | 39               | 7,364 | 5.3  | 387        |       |           |           |
| STATES- 47 22 WITH HERD-MATES                   |  |  |  | 39               | 7,364 | 5.3  | 387        | 25    | 8,485     | 431       |
|   |  |  |  |                  |       |      |            | DIFF. | 1121-     | 44-       |
| 52D3D6 KINGENDALE CHAMP-S TROPHY.....           |  |  |  |                  |       |      |            |       |           |           |
| D8-D7-54 5D2274 1359977 12 NDN-AI DAUGHTERS     |  |  |  | 24               | 8,563 | 4.6  | 393        |       |           |           |
| STATES- 31 12 WITH HERD-MATES                   |  |  |  | 24               | 8,563 | 4.6  | 393        | 21    | 8,551     | 39D       |
|   |  |  |  |                  |       |      |            | DIFF. | 12        | 3         |
| 520328 IDEAL-S MIRIAM-S ADMIRAL.....            |  |  |  |                  |       |      |            |       |           |           |
| D5-31-54 452274 866846 27 AI DAUGHTERS-14       |  |  |  | 46               | 8,044 | 4.8  | 390        |       |           |           |
| AI STUD, 61-D1 LISTED, D8-63 26 WITH HERD-MATES |  |  |  | 42               | 8,015 | 4.8  | 388        | 1D    | 7,892     | 38D       |
| STATES- 61                                      |  |  |  |                  |       |      |            | DIFF. | 123       | 8         |
|   |  |  |  |                  |       |      |            |       |           | 8,644 414 |
| 52D544 LEA-DALE-S RDYAL SUPER8.....             |  |  |  |                  |       |      |            |       |           |           |
| D2-10-55 5D1D62 1D53D75 16 NDN-AI DAUGHTERS     |  |  |  | 21               | 8,679 | 4.5  | 393        |       |           |           |
| LISTED, D8-63 16 WITH HERD-MATES                |  |  |  | 21               | 8,679 | 4.5  | 393        | 12    | 8,322     | 382       |
| STATES- 33                                      |  |  |  |                  |       |      |            | DIFF. | 357       | 11        |
| 520592 FLD-RAY-S ELMER.....                     |  |  |  |                  |       |      |            |       |           |           |
| D4-16-55 481888 1131577 11 NDN-AI DAUGHTERS     |  |  |  | 19               | 8,487 | 5.0  | 422        |       |           |           |
| STATES- 33 11 WITH HERD-MATES                   |  |  |  | 19               | 8,487 | 5.0  | 422        | 7     | 8,629     | 396       |
|   |  |  |  |                  |       |      |            | DIFF. | 142-      | 26        |
| 520713 WALNUT GROVE L-VICTDR.....               |  |  |  |                  |       |      |            |       |           |           |
| D2-16-55 492216 1220894 8 NDN-AI DAUGHTERS      |  |  |  | 16               | 9,093 | 5.2  | 475        |       |           |           |
| STATES- 52,57 8 WITH HERD-MATES                 |  |  |  | 16               | 9,093 | 5.2  | 475        | 41    | 9,124     | 441       |
|   |  |  |  |                  |       |      |            | DIFF. | 31-       | 34        |
| 520739 BAYVILLE SOUTHERN ALLEN.....             |  |  |  |                  |       |      |            |       |           |           |
| D1-29-55 34D511 1D1777D 28 NDN-AI DAUGHTERS     |  |  |  | 43               | 6,788 | 4.6  | 3D9        |       |           |           |
| LISTED, D8-63 28 WITH HERD-MATES                |  |  |  | 43               | 6,788 | 4.6  | 3D9        | 19    | 6,767     | 318       |
| STATES- 52                                      |  |  |  |                  |       |      |            | DIFF. | 21        | 9-        |
| 520746 YELLOW CREEK BUTTERFAT CLAIR.....        |  |  |  |                  |       |      |            |       |           |           |
| 03-2D-55 481593 1327656 6 AI DAUGHTERS-D2       |  |  |  | 12               | 8,703 | 5.0  | 438        |       |           |           |
| AI STUD, 93-1D LISTED, D5-64 6 WITH HERD-MATES  |  |  |  | 12               | 8,703 | 5.0  | 438        | 24    | 8,820     | 429       |
| STATES- 32,93                                   |  |  |  |                  |       |      |            | DIFF. | 117-      | 9         |
|   |  |  |  |                  |       |      |            |       |           | 8,577 415 |
| 520879 .....                                    |  |  |  |                  |       |      |            |       |           |           |
|   |  |  |  |                  |       |      |            |       |           |           |
|   |  |  |  | 1                |       |      |            |       |           |           |
| AI STUD, 33-D3 1 WITH HERD-MATES                |  |  |  |                  |       |      |            |       |           |           |
| STATES- 22,23,32                                |  |  |  |                  |       |      |            |       |           |           |
|   |  |  |  | 4                | 8,194 | 5.3  | 437        |       |           |           |
|   |  |  |  | 4                | 8,194 | 5.3  | 437        | 22    | 10,19D    | 503       |
|   |  |  |  |                  |       |      |            | DIFF. | 1996-     | 66-       |
| 52088D HDMINY HILL LADDIE.....                  |  |  |  |                  |       |      |            |       |           |           |
| 05-31-55 5D3448 1253617 20 NDN-AI DAUGHTERS     |  |  |  | 42               | 9,881 | 5.0  | 498        |       |           |           |
| STATES- 32,34 20 WITH HERD-MATES                |  |  |  | 42               | 9,881 | 5.0  | 498        | 10    | 10,377    | 511       |
|   |  |  |  |                  |       |      |            | DIFF. | 496-      | 13-       |
| 52D943 P. 8. BUTTERFAT LADDIE.....              |  |  |  |                  |       |      |            |       |           |           |
| 01-17-55 473982 988689 51 AI DAUGHTERS-21       |  |  |  | 79               | 8,917 | 4.9  | 434        |       |           |           |
| AI STUD, 22-D3 LISTED, D5-64 50 WITH HERD-MATES |  |  |  | 78               | 8,982 | 4.9  | 438        | 24    | 9,261     | 449       |
| STATES- 21,22,23                                |  |  |  |                  |       |      |            | DIFF. | 279-      | 11-       |
|   |  |  |  | 6                | 9,334 | 4.6  | 434        |       |           |           |
|   |  |  |  | 6                | 9,334 | 4.6  | 434        | 27    | 1D,276    | 490       |
|   |  |  |  |                  |       |      |            | DIFF. | 942-      | 56-       |
| 521D84 FRANCHESTER F. PERFECTION.....           |  |  |  |                  |       |      |            |       |           |           |
| D2-20-55 493D48 767955 26 NDN-AI DAUGHTERS      |  |  |  | 44               | 8,2D3 | 4.8  | 396        |       |           |           |
| STATES- 31 26 WITH HERD-MATES                   |  |  |  | 44               | 8,203 | 4.8  | 396        | 11    | 8,577     | 4D8       |
|   |  |  |  |                  |       |      |            | DIFF. | 374-      | 12-       |

| SIRE OF OHIA DAUGHTERS |                                     |     |                  | AV. PRODUCTION OF OAU. |        |      |     | ADJ. HERO-MATES AV. |        | PREDICTED AV. |           |
|------------------------|-------------------------------------|-----|------------------|------------------------|--------|------|-----|---------------------|--------|---------------|-----------|
| GUERNSEY               |                                     |     |                  | RECORDS                | MILK   | TEST | FAT | AV.                 | MILK   | FAT           | MILK      |
|                        |                                     |     |                  | NUMBER                 | L8     | %    | L8  | NUMBER              | L8     | L8            | L8        |
| 521150                 | WOODACRES LEADER-S TRUMPETER.....   |     |                  |                        |        |      |     |                     |        |               |           |
| 04-19-55               | 383832 1315912                      | 203 | AI DAUGHTERS-25* | 418                    | 9,207  | 4.7  | 431 |                     |        |               |           |
| AI STUO, 21-01         | LISTEO, 05-64                       | 201 | WITH HERD-MATES  | 412                    | 9,185  | 4.7  | 431 | 16                  | 9,099  | 429           | 8,736 415 |
| STATES-                | 12,13,16,21,22,23                   |     |                  |                        |        |      |     | OIFF.               | 86     | 2             |           |
| 521152                 | WOODACRES EASTERN LEADER.....       |     |                  |                        |        |      |     |                     |        |               |           |
| 07-11-55               | 383832 990894                       | 115 | AI DAUGHTERS-25* | 216                    | 8,609  | 4.6  | 397 |                     |        |               |           |
| AI STUO, 23-07         | LISTEO, 03-64                       | 111 | WITH HERD-MATES  | 211                    | 8,639  | 4.6  | 399 | 15                  | 8,780  | 423           | 8,497 390 |
| STATES-                | 21,22,23,84,85                      |     |                  |                        |        |      |     | OIFF.               | 141-   | 24-           |           |
| 521188                 | HAMHURST BAYARO-S FORWARD.....      |     |                  |                        |        |      |     |                     |        |               |           |
| 02-25-55               | 467398 1324271                      | 17  | NON-AI DAUGHTERS | 22                     | 10,010 | 5.2  | 525 |                     |        |               |           |
|                        | LISTEO, 03-64                       | 17  | WITH HERD-MATES  | 19                     | 10,191 | 5.3  | 536 | 18                  | 10,281 | 497           |           |
| STATES-                | 52,56,63                            |     |                  |                        |        |      |     | OIFF.               | 90-    | 39            |           |
| 521224                 | EOISTO FARMS G. ORNATE.....         |     |                  |                        |        |      |     |                     |        |               |           |
| 05-14-55               | 420373 1233658                      | 39  | NON-AI DAUGHTERS | 69                     | 7,037  | 5.0  | 353 |                     |        |               |           |
| STATES-                | 52,55,56,57,63,64                   | 39  | WITH HERD-MATES  | 68                     | 7,048  | 5.0  | 354 | 24                  | 7,779  | 389           |           |
|                        |                                     |     |                  |                        |        |      |     | OIFF.               | 731-   | 35-           |           |
| 521383                 | FAIRLAWN ACTOR-S VALIANT.....       |     |                  |                        |        |      |     |                     |        |               |           |
| 03-17-55               | 322785 1406701                      | 144 | AI DAUGHTERS-25* | 233                    | 9,008  | 4.8  | 434 |                     |        |               |           |
| AI STUO, 11-01         | LISTEO, 05-64                       | 126 | WITH HERD-MATES  | 202                    | 9,102  | 4.8  | 439 | 11                  | 9,069  | 434           | 8,681 417 |
| STATES-                | 11                                  |     |                  |                        |        |      |     | OIFF.               | 33     | 5             |           |
| 521515                 | OAY-S DREAM NOBLE-S PRINCE.....     |     |                  |                        |        |      |     |                     |        |               |           |
| 03-26-55               | 409032 1346995                      | 14  | NON-AI DAUGHTERS | 22                     | 7,338  | 4.9  | 358 |                     |        |               |           |
| STATES-                | 23                                  | 14  | WITH HERD-MATES  | 22                     | 7,338  | 4.9  | 358 | 16                  | 7,931  | 370           |           |
|                        |                                     |     |                  |                        |        |      |     | OIFF.               | 593-   | 12-           |           |
| 521577                 | BRANTVIEW BUTTERFAT MATTHEW.....    |     |                  |                        |        |      |     |                     |        |               |           |
| 04-02-55               | 493764 1484563                      | 1   | AI DAUGHTERS-01  |                        |        |      |     |                     |        |               |           |
| AI STUO, 12-03         | LISTEO, 05-64                       | 1   | WITH HERO-MATES  |                        |        |      |     |                     |        |               |           |
| STATES-                | 13,14,22                            |     |                  |                        |        |      |     |                     |        |               |           |
|                        |                                     | 12  | NON-AI DAUGHTERS | 27                     | 9,606  | 5.0  | 476 |                     |        |               |           |
|                        |                                     | 12  | WITH HERD-MATES  | 27                     | 9,606  | 5.0  | 476 | 14                  | 9,501  | 454           |           |
|                        |                                     |     |                  |                        |        |      |     | OIFF.               | 105    | 22            |           |
| 521589                 | BLUFF VIEW KING SUPERIOR.....       |     |                  |                        |        |      |     |                     |        |               |           |
| 05-25-55               | 329184 1224403                      | 13  | NON-AI DAUGHTERS | 13                     | 9,108  | 4.6  | 415 |                     |        |               |           |
| AI STUO, 65-02         | LISTEO, 05-64                       | 13  | WITH HERD-MATES  | 13                     | 9,108  | 4.6  | 415 | 36                  | 8,951  | 398           |           |
| STATES-                | 74                                  |     |                  |                        |        |      |     | OIFF.               | 157    | 17            |           |
| 521653                 | VALLEY OAKS SHEIK-S NITRO.....      |     |                  |                        |        |      |     |                     |        |               |           |
| 03-03-55               | 428868 907522                       | 94  | AI DAUGHTERS-25* | 119                    | 10,047 | 4.6  | 463 |                     |        |               |           |
| AI STUO, 92-01         | LISTEO, 05-64                       | 82  | WITH HERD-MATES  | 104                    | 9,927  | 4.6  | 459 | 13                  | 9,366  | 446           | 9,163 425 |
| STATES-                | 92                                  |     |                  |                        |        |      |     | OIFF.               | 561    | 13            |           |
| 521666                 | .....                               |     |                  |                        |        |      |     |                     |        |               |           |
|                        |                                     | 5   | NON-AI DAUGHTERS | 8                      | 9,001  | 5.0  | 450 |                     |        |               |           |
| STATES-                | 23,50,58                            | 4   | WITH HERD-MATES  | 7                      | 8,731  | 5.0  | 434 | 39                  | 9,142  | 428           |           |
|                        |                                     |     |                  |                        |        |      |     | OIFF.               | 411-   | 6             |           |
| 521780                 | VALLEY OAKS HORNET-S SPARTAN.....   |     |                  |                        |        |      |     |                     |        |               |           |
| 04-25-55               | 467419 1372616                      | 29  | AI DAUGHTERS-07  | 49                     | 8,762  | 5.0  | 439 |                     |        |               |           |
| AI STUO, 93-01         | LISTEO, 05-64                       | 29  | WITH HERD-MATES  | 49                     | 8,762  | 5.0  | 439 | 33                  | 9,157  | 437           | 8,371 415 |
| STATES-                | 71,93                               |     |                  |                        |        |      |     | OIFF.               | 395-   | 2             |           |
|                        |                                     | 2   | NON-AI DAUGHTERS | 2                      | 8,910  | 5.2  | 463 |                     |        |               |           |
|                        |                                     | 2   | WITH HERD-MATES  | 2                      | 8,910  | 5.2  | 463 | 11                  | 9,514  | 501           |           |
|                        |                                     |     |                  |                        |        |      |     | OIFF.               | 604-   | 38-           |           |
| 521781                 | VALLEY OAKS PRISCILLA-S PEER.....   |     |                  |                        |        |      |     |                     |        |               |           |
| 07-13-55               | 438330 1372611                      | 5   | AI DAUGHTERS-05  | 5                      | 7,172  | 4.9  | 350 |                     |        |               |           |
| AI STUO, 35-02         | LISTEO, 08-63                       | 5   | WITH HERD-MATES  | 5                      | 7,172  | 4.9  | 350 | 8                   | 8,822  | 419           | 8,137 391 |
| STATES-                | 34,35,93                            |     |                  |                        |        |      |     | OIFF.               | 1650-  | 69-           |           |
|                        |                                     | 28  | NON-AI DAUGHTERS | 48                     | 8,686  | 4.9  | 425 |                     |        |               |           |
|                        |                                     | 28  | WITH HERD-MATES  | 48                     | 8,686  | 4.9  | 425 | 26                  | 8,863  | 436           |           |
|                        |                                     |     |                  |                        |        |      |     | OIFF.               | 177-   | 11-           |           |
| 521879                 | .....                               |     |                  |                        |        |      |     |                     |        |               |           |
|                        |                                     | 5   | NON-AI DAUGHTERS | 9                      | 8,858  | 4.4  | 388 |                     |        |               |           |
| STATES-                | 31                                  | 5   | WITH HERD-MATES  | 9                      | 8,858  | 4.4  | 388 | 15                  | 8,654  | 394           |           |
|                        |                                     |     |                  |                        |        |      |     | OIFF.               | 204    | 6-            |           |
| 521948                 | SOLITAIRE-S STEADFAST CHAMPION..... |     |                  |                        |        |      |     |                     |        |               |           |
| 12-19-54               | 357051 1169469                      | 21  | NON-AI DAUGHTERS | 33                     | 7,639  | 4.5  | 343 |                     |        |               |           |
|                        | LISTEO, 08-63                       | 21  | WITH HERD-MATES  | 33                     | 7,639  | 4.5  | 343 | 25                  | 8,113  | 363           |           |
| STATES-                | 74                                  |     |                  |                        |        |      |     | OIFF.               | 474-   | 20-           |           |
| 522091                 | .....                               |     |                  |                        |        |      |     |                     |        |               |           |
|                        |                                     | 8   | NON-AI DAUGHTERS | 10                     | 8,735  | 5.0  | 440 |                     |        |               |           |
| STATES-                | 31                                  | 8   | WITH HERD-MATES  | 9                      | 8,652  | 5.1  | 442 | 5                   | 9,410  | 475           |           |
|                        |                                     |     |                  |                        |        |      |     | OIFF.               | 758-   | 33-           |           |
| 522094                 | CHARLESCOTE ROMULUS.....            |     |                  |                        |        |      |     |                     |        |               |           |
| 12-21-53               | 406602 966053                       | 9   | NON-AI DAUGHTERS | 10                     | 8,941  | 4.9  | 442 |                     |        |               |           |
|                        | LISTEO, 08-63                       | 9   | WITH HERD-MATES  | 10                     | 8,941  | 4.9  | 442 | 17                  | 9,180  | 449           |           |
| STATES-                | 14,33                               |     |                  |                        |        |      |     | OIFF.               | 239-   | 7-            |           |
| 522099                 | VIOLETS HAPPY HOLLOW PRINCE.....    |     |                  |                        |        |      |     |                     |        |               |           |
| 04-03-55               | 464437 821052                       | 13  | NON-AI DAUGHTERS | 17                     | 8,775  | 5.1  | 450 |                     |        |               |           |
|                        | LISTEO, 08-63                       | 13  | WITH HERD-MATES  | 17                     | 8,775  | 5.1  | 450 | 11                  | 9,312  | 475           |           |
| STATES-                | 35                                  |     |                  |                        |        |      |     | OIFF.               | 537-   | 25-           |           |
| 522167                 | GREEN FIELOS GALLANT.....           |     |                  |                        |        |      |     |                     |        |               |           |
| 03-29-55               | 472450 1309233                      | 8   | NON-AI DAUGHTERS | 18                     | 10,240 | 4.8  | 496 |                     |        |               |           |
|                        | LISTEO, 01-63                       | 8   | WITH HERD-MATES  | 18                     | 10,240 | 4.8  | 496 | 25                  | 9,759  | 476           |           |
| STATES-                | 55,56                               |     |                  |                        |        |      |     | OIFF.               | 481    | 20            |           |
| 522303                 | .....                               |     |                  |                        |        |      |     |                     |        |               |           |
|                        |                                     | 5   | NON-AI DAUGHTERS | 5                      | 8,702  | 4.9  | 429 |                     |        |               |           |
| STATES-                | 34                                  | 5   | WITH HERD-MATES  | 5                      | 8,702  | 4.9  | 429 | 10                  | 8,682  | 421           |           |
|                        |                                     |     |                  |                        |        |      |     | OIFF.               | 20     | 8             |           |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY       |                                     |    |                  | AV. RECORDS | PRODUCTION MILK LB | DF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|----------------|-------------------------------------|----|------------------|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 522313         | SKYLINE HIGH DYNAMO.....            |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| D4-17-55       | 427978 96943B                       | 12 | NON-AI DAUGHTERS | 24          | 8,406              | 5.0       | 419         |                 |                    |            |                   |            |
|                | LISTED, D8-63                       | 12 | WITH HERD-MATES  | 23          | 8,434              | 5.0       | 422         | 7               | 8,550              | 410        |                   |            |
| STATES-        | 42                                  |    |                  |             |                    |           |             | DIFF.           | 116-               | 12         |                   |            |
| 522338         | MEADOWMARSH MAY ROSE GENERAL.....   |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| D4-29-55       | 456502 93382B                       | 5  | AI DAUGHTERS-D5  | 5           | 9,306              | 5.0       | 467         |                 |                    |            |                   |            |
| AI STUD, 91-01 | LISTED, 05-64                       | 5  | WITH HERD-MATES  | 5           | 9,306              | 5.0       | 467         | 9               | 9,279              | 462        | 8,636             | 414        |
| STATES-        | 87,91                               |    |                  |             |                    |           |             | DIFF.           | 27                 | 5          |                   |            |
|                |                                     | 14 | NON-AI DAUGHTERS | 16          | 9,048              | 5.1       | 460         |                 |                    |            |                   |            |
|                |                                     | 14 | WITH HERD-MATES  | 16          | 9,048              | 5.1       | 460         | 16              | 8,871              | 439        |                   |            |
|                |                                     |    |                  |             |                    |           |             | DIFF.           | 177                | 21         |                   |            |
| 522345         | BURTON LANE STEADFAST BRIAN.....    |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 03-17-55       | 357051 941659                       | 34 | AI DAUGHTERS-24  | 60          | 7,884              | 4.9       | 387         |                 |                    |            |                   |            |
| AI STUD, 33-D1 | LISTED, D5-64                       | 33 | WITH HERD-MATES  | 58          | 7,888              | 4.9       | 387         | 9               | 8,473              | 408        | 8,172             | 396        |
| STATES-        | 33,35                               |    |                  |             |                    |           |             | DIFF.           | 585-               | 21-        |                   |            |
| 522434         | WYNO SAINT-S DUNCAN.....            |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| D5-21-55       | 429156 843607                       | 18 | NON-AI DAUGHTERS | 38          | 7,770              | 5.0       | 387         |                 |                    |            |                   |            |
|                | LISTED, 08-62                       | 18 | WITH HERD-MATES  | 37          | 7,767              | 5.0       | 387         | 8               | 7,982              | 382        |                   |            |
| STATES-        | 31                                  |    |                  |             |                    |           |             | DIFF.           | 215-               | 5          |                   |            |
| 522445         | .....                               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                                     | 5  | NON-AI DAUGHTERS | 12          | 9,577              | 4.9       | 473         |                 |                    |            |                   |            |
| STATES-        | 14,22,23,51                         | 5  | WITH HERD-MATES  | 12          | 9,577              | 4.9       | 473         | 38              | 9,135              | 444        |                   |            |
|                |                                     |    |                  |             |                    |           |             | DIFF.           | 442                | 29         |                   |            |
| 522462         | YELLOW CREEK HERD CHIEF.....        |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| D1-31-55       | 503027 149202D                      | 27 | NON-AI DAUGHTERS | 64          | 10,173             | 5.0       | 512         |                 |                    |            |                   |            |
| AI STUD, 42-D2 | LISTED, D8-63                       | 27 | WITH HERD-MATES  | 63          | 10,157             | 5.0       | 512         | 7               | 9,469              | 442        |                   |            |
| STATES-        | 35,41                               |    |                  |             |                    |           |             | DIFF.           | 688                | 70         |                   |            |
| 522481         | BEN VENUE ETIA-S SUPERIOR.....      |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 09-24-55       | 44808D 151353D                      | 14 | AI DAUGHTERS-D9  | 17          | 7,508              | 4.7       | 356         |                 |                    |            |                   |            |
| AI STUD, 63-D1 | LISTED, D5-64                       | 10 | WITH HERD-MATES  | 12          | 7,839              | 4.8       | 376         | 11              | 8,522              | 400        | 8,298             | 400        |
| STATES-        | 63                                  |    |                  |             |                    |           |             | DIFF.           | 683-               | 24-        |                   |            |
| 5225DB         | GRANDVU MEL HOUDEANIE.....          |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| D4-30-55       | 413927 986006                       | 20 | NDN-AI DAUGHTERS | 35          | 10,739             | 5.1       | 543         |                 |                    |            |                   |            |
| AI STUD, 42-02 | LISTED, 03-64                       | 19 | WITH HERD-MATES  | 34          | 10,817             | 5.1       | 551         | 7               | 10,637             | 521        |                   |            |
| STATES-        | 35                                  |    |                  |             |                    |           |             | DIFF.           | 180                | 30         |                   |            |
| 522513         | MAURANA D. BUTTERFAT-S TRIUMPH..... |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 07-03-55       | 501610 1510922                      | 22 | NON-AI DAUGHTERS | 41          | 8,299              | 4.9       | 409         |                 |                    |            |                   |            |
|                | LISTED, D1-63                       | 22 | WITH HERD-MATES  | 41          | 8,299              | 4.9       | 409         | 11              | 8,950              | 413        |                   |            |
| STATES-        | 33                                  |    |                  |             |                    |           |             | DIFF.           | 651-               | 4-         |                   |            |
| 522542         | GREENACRES BUTTERFAT CLAYMORE.....  |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 06-06-55       | 51305D 946568                       | 14 | NDN-AI DAUGHTERS | 27          | 9,348              | 4.9       | 455         |                 |                    |            |                   |            |
| STATES-        | 21                                  | 14 | WITH HERD-MATES  | 27          | 9,348              | 4.9       | 455         | 8               | 8,904              | 431        |                   |            |
|                |                                     |    |                  |             |                    |           |             | DIFF.           | 444                | 24         |                   |            |
| 5226B2         | WESTERN GLOW BUTTERFAT MASTER.....  |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 07-28-55       | 511205 1368765                      | 52 | AI DAUGHTERS-25* | 103         | 8,459              | 4.9       | 417         |                 |                    |            |                   |            |
| AI STUD, 35-D5 | LISTED, 05-64                       | 52 | WITH HERD-MATES  | 103         | 8,459              | 4.9       | 417         | 12              | 8,955              | 423        | 8,236             | 407        |
| STATES-        | 22,35,41,91,92                      |    |                  |             |                    |           |             | DIFF.           | 496-               | 6-         |                   |            |
|                |                                     | 15 | NON-AI DAUGHTERS | 29          | 8,863              | 5.0       | 441         |                 |                    |            |                   |            |
|                |                                     | 15 | WITH HERD-MATES  | 29          | 8,863              | 5.0       | 441         | 15              | 9,349              | 448        |                   |            |
|                |                                     |    |                  |             |                    |           |             | DIFF.           | 486-               | 7-         |                   |            |
| 522703         | CLEAR SPRINGS LEADER-S GENERAL..... |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| D7-23-55       | 396894 1128442                      | 24 | NON-AI DAUGHTERS | 42          | 8,611              | 4.7       | 405         |                 |                    |            |                   |            |
|                | LISTED, D8-63                       | 24 | WITH HERD-MATES  | 42          | 8,611              | 4.7       | 405         | 34              | 8,355              | 390        |                   |            |
| STATES-        | 57,64                               |    |                  |             |                    |           |             | DIFF.           | 256                | 15         |                   |            |
| 522833         | LAKE LOUISE KING-S RDYAL.....       |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| D3-15-55       | 428861 1170054                      | 32 | AI DAUGHTERS-20  | 33          | 9,230              | 5.1       | 468         |                 |                    |            |                   |            |
| AI STUD, 23-04 | LISTED, D3-64                       | 31 | WITH HERD-MATES  | 32          | 9,260              | 5.1       | 470         | 16              | 9,170              | 453        | 8,714             | 426        |
| STATES-        | 22,23,33,51                         |    |                  |             |                    |           |             | DIFF.           | 90                 | 17         |                   |            |
|                |                                     | 16 | NON-AI DAUGHTERS | 27          | 8,377              | 5.1       | 431         |                 |                    |            |                   |            |
|                |                                     | 15 | WITH HERD-MATES  | 26          | 8,572              | 5.2       | 442         | 29              | 8,591              | 416        |                   |            |
|                |                                     |    |                  |             |                    |           |             | DIFF.           | 19-                | 26         |                   |            |
| 522896         | .....                               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|                |                                     | 16 | NON-AI DAUGHTERS | 33          | 10,151             | 4.7       | 474         |                 |                    |            |                   |            |
| STATES-        | 15                                  | 16 | WITH HERD-MATES  | 33          | 10,151             | 4.7       | 474         | 10              | 10,163             | 484        |                   |            |
|                |                                     |    |                  |             |                    |           |             | DIFF.           | 12-                | 10-        |                   |            |
| 522902         | PINEHURST NOBLE PRINCE.....         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 07-05-55       | 452551 1107164                      | 8  | NDN-AI DAUGHTERS | 13          | 9,949              | 4.7       | 472         |                 |                    |            |                   |            |
| STATES-        | 33                                  | 8  | WITH HERD-MATES  | 13          | 9,949              | 4.7       | 472         | 16              | 9,825              | 460        |                   |            |
|                |                                     |    |                  |             |                    |           |             | DIFF.           | 124                | 12         |                   |            |
| 5229DB         | IDEAL-S PATTY-S SUPERIOR.....       |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| D6-22-55       | 44808D 1302126                      | 38 | NDN-AI DAUGHTERS | 55          | 10,667             | 5.0       | 534         |                 |                    |            |                   |            |
| AI STUD, 23-08 | LISTED, 05-64                       | 38 | WITH HERD-MATES  | 55          | 10,667             | 5.0       | 534         | 20              | 10,753             | 530        |                   |            |
| STATES-        | 23,52,58                            |    |                  |             |                    |           |             | DIFF.           | 86-                | 4          |                   |            |
| 523029         | OLD HOMESTEAD HIGH-AND-MIGHTY.....  |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 07-14-55       | 298216 1075438                      | 99 | AI DAUGHTERS-25* | 158         | 9,812              | 4.7       | 466         |                 |                    |            |                   |            |
| AI STUD, 11-01 | LISTED, D5-64                       | 93 | WITH HERD-MATES  | 146         | 9,942              | 4.7       | 472         | 12              | 9,400              | 452        | 9,155             | 432        |
| STATES-        | 11,12,13                            |    |                  |             |                    |           |             | DIFF.           | 542                | 20         |                   |            |
| 523124         | SUNNYMEDE HORNET-S LANCER.....      |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 06-06-55       | 396936 756255                       | 10 | AI DAUGHTERS-D7  | 13          | 9,431              | 4.9       | 463         |                 |                    |            |                   |            |
| AI STUD, 41-25 | LISTED, D5-64                       | 8  | WITH HERD-MATES  | 10          | 9,587              | 4.9       | 472         | 7               | 9,332              | 453        | 8,740             | 420        |
| STATES-        | 43,48                               |    |                  |             |                    |           |             | DIFF.           | 255                | 19         |                   |            |
|                |                                     | 1  | NDN-AI DAUGHTERS | 2           | 9,975              | 4.9       | 486         |                 |                    |            |                   |            |
|                |                                     | 1  | WITH HERD-MATES  | 2           | 9,975              | 4.9       | 486         | 7               | 7,675              | 375        |                   |            |
|                |                                     |    |                  |             |                    |           |             | DIFF.           | 2300               | 111        |                   |            |
| 523191         | ELMWOOD DESIGNER.....               |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 07-03-55       | 506956 1315502                      | 22 | NON-AI DAUGHTERS | 40          | 8,847              | 4.7       | 414         |                 |                    |            |                   |            |
|                | LISTED, 08-63                       | 22 | WITH HERD-MATES  | 40          | 8,847              | 4.7       | 414         | 5               | 8,124              | 388        |                   |            |
| STATES-        | 46                                  |    |                  |             |                    |           |             | DIFF.           | 723                | 26         |                   |            |



## SIRE OF DHIA DAUGHTERS

|          |                                    |    |                  | AV. PRODUCTION OF | DAU.   | ADJ.   | HERD-MATES | AV.   | PREDICTED | AV. |
|----------|------------------------------------|----|------------------|-------------------|--------|--------|------------|-------|-----------|-----|
|          |                                    |    |                  | RECORDS           | FAT    | AV.    | MILK       | FAT   | MILK      | FAT |
|          |                                    |    |                  | NUMBER            | LB     | NUMBER | LB         | LB    | LB        | LB  |
|          |                                    |    |                  |                   | %      |        |            |       |           |     |
| GUERNSEY |                                    |    |                  |                   |        |        |            |       |           |     |
| 523213   | HENSLEE FARM-S V CAVALIER.....     |    |                  |                   |        |        |            |       |           |     |
| 08-23-55 | 512972 1236027                     | 17 | NDN-AI DAUGHTERS | 32                | 7,718  | 5.0    | 384        |       |           |     |
| STATES-  | 31,32,33,35,61,63                  | 17 | WITH HERD-MATES  | 32                | 7,718  | 5.0    | 384        | 26    | 8,023     | 388 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 305-      | 4-  |
| 523297   | .....                              |    |                  |                   |        |        |            |       |           |     |
|          |                                    | 5  | NDN-AI DAUGHTERS | 5                 | 7,962  | 5.3    | 421        |       |           |     |
| STATES-  | 23                                 | 5  | WITH HERD-MATES  | 5                 | 7,962  | 5.3    | 421        | 32    | 9,126     | 438 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 1164-     | 17- |
| 523302   | QUAIL RDDST PRDUD QUINCE.....      |    |                  |                   |        |        |            |       |           |     |
| 08-24-55 | 391246 1114810                     | 15 | NDN-AI DAUGHTERS | 16                | 8,540  | 4.9    | 421        |       |           |     |
| STATES-  | 52,55                              | 15 | WITH HERD-MATES  | 16                | 8,540  | 4.9    | 421        | 37    | 8,703     | 410 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 163-      | 11  |
| 523320   | CDBLBS MR. ENVY.....               |    |                  |                   |        |        |            |       |           |     |
| 05-28-55 | 475416 887011                      | 8  | NDN-AI DAUGHTERS | 8                 | 9,773  | 4.8    | 470        |       |           |     |
| STATES-  | 34                                 | 7  | WITH HERD-MATES  | 7                 | 10,383 | 4.8    | 501        | 12    | 8,561     | 422 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 1822      | 79  |
| 523351   | WILGDRLAN FARMS CAMIDN.....        |    |                  |                   |        |        |            |       |           |     |
| 07-01-55 | 359623 1119288                     | 8  | NDN-AI DAUGHTERS | 13                | 9,410  | 5.1    | 476        |       |           |     |
| STATES-  | 23,31                              | 8  | WITH HERD-MATES  | 13                | 9,410  | 5.1    | 476        | 14    | 10,266    | 506 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 856-      | 30- |
| 523354   | AVALDN MASTER CHRIS.....           |    |                  |                   |        |        |            |       |           |     |
| 06-25-55 | 385582 1330479                     | 8  | NDN-AI DAUGHTERS | 16                | 7,798  | 4.8    | 374        |       |           |     |
| STATES-  | 31                                 | 6  | WITH HERD-MATES  | 14                | 7,969  | 4.8    | 380        | 8     | 7,588     | 353 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 381       | 27  |
| 523487   | .....                              |    |                  |                   |        |        |            |       |           |     |
|          |                                    | 5  | NDN-AI DAUGHTERS | 12                | 7,515  | 4.2    | 313        |       |           |     |
| STATES-  | 56                                 | 5  | WITH HERD-MATES  | 12                | 7,515  | 4.2    | 313        | 23    | 7,683     | 324 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 168-      | 11- |
| 523664   | HOLCDMB-S N. AL.....               |    |                  |                   |        |        |            |       |           |     |
| 08-29-55 | 440675 1237207                     | 13 | NDN-AI DAUGHTERS | 23                | 9,391  | 4.5    | 420        |       |           |     |
| STATES-  | 21                                 | 13 | WITH HERD-MATES  | 23                | 9,391  | 4.5    | 420        | 20    | 9,392     | 441 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 1-        | 21- |
| 523671   | CHEDCD KING JAMES.....             |    |                  |                   |        |        |            |       |           |     |
| 11-17-55 | 472563 1258202                     | 25 | NDN-AI DAUGHTERS | 42                | 8,960  | 4.8    | 426        |       |           |     |
| STATES-  | 16,21                              | 25 | WITH HERD-MATES  | 42                | 8,960  | 4.8    | 426        | 14    | 8,890     | 422 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 70        | 4   |
| 523698   | .....                              |    |                  |                   |        |        |            |       |           |     |
|          |                                    | 7  | NDN-AI DAUGHTERS | 8                 | 6,748  | 5.1    | 342        |       |           |     |
| STATES-  | 55,56                              | 7  | WITH HERD-MATES  | 8                 | 6,748  | 5.1    | 342        | 14    | 6,918     | 325 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 170-      | 17  |
| 523703   | ALLDR FARM CURTISS.....            |    |                  |                   |        |        |            |       |           |     |
| 07-25-55 | 433384 1059225                     | 20 | NDN-AI DAUGHTERS | 34                | 8,003  | 5.1    | 410        |       |           |     |
| STATES-  | 21                                 | 20 | WITH HERD-MATES  | 34                | 8,003  | 5.1    | 410        | 17    | 9,111     | 454 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 1108-     | 44- |
| 523716   | CASTLE BRODK VELDURS LEADER.....   |    |                  |                   |        |        |            |       |           |     |
| 11-15-55 | 502634 1148415                     | 31 | AI DAUGHTERS-12  | 52                | 8,837  | 4.6    | 407        |       |           |     |
| AI STUD, | 65-02 LISTED, 05-64                | 26 | WITH HERD-MATES  | 46                | 8,942  | 4.7    | 417        | 18    | 8,887     | 423 |
| STATES-  | 65,72                              |    |                  |                   |        |        |            | DIFF. | 55        | 6-  |
| 523720   | BOEUF VALLEY C I VALDR.....        |    |                  |                   |        |        |            |       |           |     |
| 07-10-55 | 470140 1065520                     | 25 | NDN-AI DAUGHTERS | 47                | 8,266  | 5.0    | 416        |       |           |     |
| STATES-  | 43                                 | 25 | WITH HERD-MATES  | 47                | 8,266  | 5.0    | 416        | 10    | 8,542     | 412 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 276-      | 4   |
| 523756   | FOUR WINDS PRINCE.....             |    |                  |                   |        |        |            |       |           |     |
| 09-01-55 | 504026 1398757                     | 14 | NDN-AI DAUGHTERS | 23                | 8,191  | 4.4    | 362        |       |           |     |
| STATES-  | 35                                 | 14 | WITH HERD-MATES  | 23                | 8,191  | 4.4    | 362        | 15    | 8,466     | 387 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 275-      | 25- |
| 523784   | .....                              |    |                  |                   |        |        |            |       |           |     |
|          |                                    | 5  | NDN-AI DAUGHTERS | 9                 | 8,836  | 5.3    | 468        |       |           |     |
| STATES-  | 35                                 | 5  | WITH HERD-MATES  | 9                 | 8,836  | 5.3    | 468        | 3     | 9,715     | 468 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 879-      |     |
| 523825   | FAIRLAWN HDRNET-S SAILDR KING..... |    |                  |                   |        |        |            |       |           |     |
| 11-17-55 | 362352 1368853                     | 35 | NDN-AI DAUGHTERS | 50                | 11,192 | 5.0    | 563        |       |           |     |
| STATES-  | 21,22,23,56                        | 35 | WITH HERD-MATES  | 50                | 11,192 | 5.0    | 563        | 25    | 11,917    | 608 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 725-      | 45- |
| 523881   | EDISTD FARMS M JEWELLER.....       |    |                  |                   |        |        |            |       |           |     |
| 08-24-55 | 475070 1097095                     | 20 | NDN-AI DAUGHTERS | 38                | 9,349  | 4.3    | 401        |       |           |     |
| STATES-  | 58                                 | 20 | WITH HERD-MATES  | 38                | 9,349  | 4.3    | 401        | 65    | 8,328     | 367 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 1021      | 34  |
| 523886   | MEADWW-WOOD CHAMPIDN.....          |    |                  |                   |        |        |            |       |           |     |
| 12-26-54 | 422711 1531850                     | 22 | NDN-AI DAUGHTERS | 38                | 7,179  | 4.5    | 324        |       |           |     |
| STATES-  | 23,63                              | 22 | WITH HERD-MATES  | 38                | 7,179  | 4.5    | 324        | 14    | 7,986     | 377 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 807-      | 53- |
| 523908   | .....                              |    |                  |                   |        |        |            |       |           |     |
|          |                                    | 5  | NDN-AI DAUGHTERS | 5                 | 10,464 | 5.0    | 528        |       |           |     |
| STATES-  | 82                                 | 5  | WITH HERD-MATES  | 5                 | 10,464 | 5.0    | 528        | 6     | 10,289    | 508 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 175       | 20  |
| 523987   | CONDVER-S PERFORMER-S ACE.....     |    |                  |                   |        |        |            |       |           |     |
| 11-08-55 | 389492 1004012                     | 12 | NDN-AI DAUGHTERS | 14                | 9,497  | 4.8    | 459        |       |           |     |
| STATES-  | 22,58                              | 12 | WITH HERD-MATES  | 14                | 9,497  | 4.8    | 459        | 64    | 10,190    | 515 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 693-      | 56- |
| 524013   | GREYSTONE LEADER.....              |    |                  |                   |        |        |            |       |           |     |
| 01-04-56 | 423199 1677745                     | 9  | NDN-AI DAUGHTERS | 12                | 9,140  | 4.9    | 451        |       |           |     |
| STATES-  | 21                                 | 9  | WITH HERD-MATES  | 12                | 9,140  | 4.9    | 451        | 4     | 9,098     | 435 |
|          |                                    |    |                  |                   |        |        |            | DIFF. | 42        | 16  |

## SIREs OF DHIA DAUGHTERS

| GUERNSEY         |                                     |    |                  | AV. RECDRDS<br>NUMBER | PRDUCTION<br>MILK L8 | DF<br>TEST % | DAU.<br>FAT L8 | ADJ.<br>AV.<br>NUMBER | HERD-MATES<br>MILK L8 | AV.<br>FAT L8 | PREDICTED<br>MILK L8 | AV.<br>FAT L8 |
|------------------|-------------------------------------|----|------------------|-----------------------|----------------------|--------------|----------------|-----------------------|-----------------------|---------------|----------------------|---------------|
| 524067           | ELMWDDD AMDS.....                   |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 08-19-55         | 428643 1463626                      | 20 | NDN-AI DAUGHTERS | 31                    | 9,127                | 5.0          | 459            |                       |                       |               |                      |               |
| STATES- 42,45    |                                     | 20 | WITH HERD-MATES  | 31                    | 9,127                | 5.0          | 459            | 7                     | 9,432                 | 430           |                      |               |
|                  |                                     |    |                  |                       |                      |              |                | DIFF.                 | 305-                  | 29            |                      |               |
| 524069           | ELMWDDD ALAN.....                   |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 08-23-55         | 506956 1529077                      | 30 | NDN-AI DAUGHTERS | 47                    | 10,405               | 4.5          | 465            |                       |                       |               |                      |               |
|                  | LISTED, 08-63                       | 30 | WITH HERD-MATES  | 47                    | 10,405               | 4.5          | 465            | 3                     | 10,071                | 459           |                      |               |
| STATES- 42       |                                     |    |                  |                       |                      |              |                | DIFF.                 | 334                   | 6             |                      |               |
| 524077           | SKYLINE LEE-S PRESTIGE.....         |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 08-04-55         | 483717 1313031                      | 11 | NDN-AI DAUGHTERS | 30                    | 8,767                | 5.5          | 482            |                       |                       |               |                      |               |
| STATES- 47       |                                     | 11 | WITH HERD-MATES  | 30                    | 8,767                | 5.5          | 482            | 9                     | 8,265                 | 450           |                      |               |
|                  |                                     |    |                  |                       |                      |              |                | DIFF.                 | 502                   | 32            |                      |               |
| 524138           | .....                               |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
|                  | AI STUD, 72-01                      | 5  | AI DAUGHTERS-02  | 5                     | 9,984                | 4.4          | 437            |                       |                       |               |                      |               |
| STATES- 43,72    |                                     | 5  | WITH HERD-MATES  | 5                     | 9,984                | 4.4          | 437            | 4                     | 9,484                 | 442           | 8,779                | 410           |
|                  |                                     |    |                  |                       |                      |              |                | DIFF.                 | 500                   | 5-            |                      |               |
| 524168           | .....                               |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
|                  |                                     | 7  | NDN-AI DAUGHTERS | 7                     | 8,937                | 4.9          | 436            |                       |                       |               |                      |               |
| STATES- 51       |                                     | 7  | WITH HERD-MATES  | 7                     | 8,937                | 4.9          | 436            | 31                    | 8,195                 | 386           |                      |               |
|                  |                                     |    |                  |                       |                      |              |                | DIFF.                 | 742                   | 50            |                      |               |
| 524180           | .....                               |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
|                  |                                     | 5  | NDN-AI DAUGHTERS | 5                     | 7,338                | 4.8          | 355            |                       |                       |               |                      |               |
| STATES- 33       |                                     | 5  | WITH HERD-MATES  | 5                     | 7,338                | 4.8          | 355            | 5                     | 8,234                 | 371           |                      |               |
|                  |                                     |    |                  |                       |                      |              |                | DIFF.                 | 896-                  | 16-           |                      |               |
| 524257           | NDRTHRN ASTDRS MAJESTY.....         |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 12-21-55         | 464488 1252008                      | 26 | NDN-AI DAUGHTERS | 50                    | 11,133               | 4.9          | 540            |                       |                       |               |                      |               |
| AI STUD, 63-01   |                                     | 26 | WITH HERD-MATES  | 50                    | 11,133               | 4.9          | 540            | 6                     | 11,664                | 557           |                      |               |
| STATES- 16       |                                     |    |                  |                       |                      |              |                | DIFF.                 | 531-                  | 17-           |                      |               |
| 524263           | .....                               |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
|                  |                                     | 5  | NDN-AI DAUGHTERS | 5                     | 7,030                | 4.6          | 322            |                       |                       |               |                      |               |
| STATES- 48       |                                     | 5  | WITH HERD-MATES  | 5                     | 7,030                | 4.6          | 322            | 11                    | 7,584                 | 374           |                      |               |
|                  |                                     |    |                  |                       |                      |              |                | DIFF.                 | 554-                  | 52-           |                      |               |
| 524279           | GLENGERAN FDRTUNE-S LEADER.....     |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 11-24-55         | 510634 1252159                      | 13 | NDN-AI DAUGHTERS | 19                    | 7,904                | 4.9          | 391            |                       |                       |               |                      |               |
| STATES- 22       |                                     | 13 | WITH HERD-MATES  | 19                    | 7,904                | 4.9          | 391            | 27                    | 8,013                 | 389           |                      |               |
|                  |                                     |    |                  |                       |                      |              |                | DIFF.                 | 109-                  | 2             |                      |               |
| 524304           | CDL8YS FDRWARD.....                 |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 09-20-55         | 475416 1237543                      | 26 | NDN-AI DAUGHTERS | 40                    | 12,022               | 5.1          | 618            |                       |                       |               |                      |               |
|                  | LISTED, 08-63                       | 26 | WITH HERD-MATES  | 39                    | 12,065               | 5.1          | 619            | 52                    | 9,592                 | 483           |                      |               |
| STATES- 22       |                                     |    |                  |                       |                      |              |                | DIFF.                 | 2473                  | 136           |                      |               |
| 524321           | MAPLE DELL REMUS.....               |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 01-18-54         | 452672 1170486                      | 17 | NDN-AI DAUGHTERS | 39                    | 7,904                | 4.8          | 377            |                       |                       |               |                      |               |
| STATES- 33       |                                     | 17 | WITH HERD-MATES  | 37                    | 7,868                | 4.8          | 376            | 4                     | 8,023                 | 373           |                      |               |
|                  |                                     |    |                  |                       |                      |              |                | DIFF.                 | 155-                  | 3             |                      |               |
| 524393           | SUNESLDPE-S EMDRY-S ELITS DN.....   |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 08-18-55         | 477597 1310111                      | 50 | NDN-AI DAUGHTERS | 97                    | 9,762                | 5.4          | 531            |                       |                       |               |                      |               |
| AI STUD, 35-05   | LISTED, 05-64                       | 50 | WITH HERD-MATES  | 97                    | 9,762                | 5.4          | 531            | 9                     | 9,432                 | 465           |                      |               |
| STATES- 35,42    |                                     |    |                  |                       |                      |              |                | DIFF.                 | 330                   | 66            |                      |               |
| 524405           | .....                               |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
|                  |                                     | 9  | NDN-AI DAUGHTERS | 9                     | 5,319                | 4.8          | 256            |                       |                       |               |                      |               |
| STATES- 23       |                                     | 9  | WITH HERD-MATES  | 9                     | 5,319                | 4.8          | 256            | 12                    | 7,113                 | 350           |                      |               |
|                  |                                     |    |                  |                       |                      |              |                | DIFF.                 | 1794-                 | 94-           |                      |               |
| 524482           | CHADD-S TILDA-S SUPERIDR.....       |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 10-23-55         | 448080 1533460                      | 11 | NDN-AI DAUGHTERS | 14                    | 9,715                | 5.1          | 494            |                       |                       |               |                      |               |
|                  | LISTED, 08-63                       | 10 | WITH HERD-MATES  | 13                    | 9,944                | 5.1          | 507            | 42                    | 9,712                 | 478           |                      |               |
| STATES- 21,22,23 |                                     |    |                  |                       |                      |              |                | DIFF.                 | 232                   | 29            |                      |               |
| 524564           | COLDSPRING-S 8.V. GAY LAD.....      |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 07-08-55         | 429235 804773                       | 10 | NDN-AI DAUGHTERS | 10                    | 8,604                | 5.4          | 464            |                       |                       |               |                      |               |
|                  | LISTED, 03-64                       | 10 | WITH HERD-MATES  | 10                    | 8,604                | 5.4          | 464            | 7                     | 9,115                 | 425           |                      |               |
| STATES- 14       |                                     |    |                  |                       |                      |              |                | DIFF.                 | 511-                  | 39            |                      |               |
| 524656           | HDMINY HILL DISTINCTION.....        |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 01-31-56         | 422711 1011145                      | 18 | NDN-AI DAUGHTERS | 25                    | 11,185               | 5.1          | 567            |                       |                       |               |                      |               |
|                  | LISTED, 08-63                       | 18 | WITH HERD-MATES  | 25                    | 11,185               | 5.1          | 567            | 19                    | 11,381                | 544           |                      |               |
| STATES- 21,23,31 |                                     |    |                  |                       |                      |              |                | DIFF.                 | 196-                  | 23            |                      |               |
| 524682           | LAY LAINE VIRGINIAN-S RELIANCE..... |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 09-16-55         | 492014 1343650                      | 18 | NDN-AI DAUGHTERS | 26                    | 10,426               | 4.9          | 515            |                       |                       |               |                      |               |
|                  | LISTED, 08-63                       | 18 | WITH HERD-MATES  | 26                    | 10,426               | 4.9          | 515            | 100                   | 9,324                 | 440           |                      |               |
| STATES- 58       |                                     |    |                  |                       |                      |              |                | DIFF.                 | 1102                  | 75            |                      |               |
| 524759           | NDRTHRN ADMIRAL-S KIP.....          |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 01-31-56         | 452274 1585978                      | 8  | NON-AI DAUGHTERS | 9                     | 12,544               | 4.9          | 618            |                       |                       |               |                      |               |
| AI STUD, 35-75   | LISTED, 05-64                       | 8  | WITH HERD-MATES  | 9                     | 12,544               | 4.9          | 618            | 16                    | 12,067                | 584           |                      |               |
| STATES- 11,12,31 |                                     |    |                  |                       |                      |              |                | DIFF.                 | 477                   | 34            |                      |               |
| 524931           | SHANTITUCK BEN-S REX.....           |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 09-21-55         | 493052 1118997                      | 11 | NDN-AI DAUGHTERS | 14                    | 8,371                | 5.0          | 420            |                       |                       |               |                      |               |
|                  | LISTED, 03-64                       | 11 | WITH HERD-MATES  | 14                    | 8,371                | 5.0          | 420            | 8                     | 8,232                 | 383           |                      |               |
| STATES- 35       |                                     |    |                  |                       |                      |              |                | DIFF.                 | 139                   | 37            |                      |               |
| 524970           | SUNNYMEDE GAIL I GENERAL.....       |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 10-26-55         | 431620 1420248                      | 26 | NDN-AI DAUGHTERS | 49                    | 8,407                | 5.3          | 448            |                       |                       |               |                      |               |
|                  | LISTED, 08-63                       | 26 | WITH HERD-MATES  | 49                    | 8,407                | 5.3          | 448            | 9                     | 8,353                 | 420           |                      |               |
| STATES- 43       |                                     |    |                  |                       |                      |              |                | DIFF.                 | 54                    | 28            |                      |               |
| 524974           | KUHTZDALE MAJDR SUPERIDR.....       |    |                  |                       |                      |              |                |                       |                       |               |                      |               |
| 04-12-55         | 439085 947829                       | 9  | NDN-AI DAUGHTERS | 10                    | 7,208                | 4.4          | 320            |                       |                       |               |                      |               |
|                  | LISTED, 05-64                       | 9  | WITH HERD-MATES  | 10                    | 7,208                | 4.4          | 320            | 14                    | 7,022                 | 314           |                      |               |
| STATES- 65       |                                     |    |                  |                       |                      |              |                | DIFF.                 | 186                   | 6             |                      |               |

## SIRE OF DHIA DAUGHTERS

## GUERNSEY

|                |                                  |     |                  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERO-MATES FAT LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|----------------|----------------------------------|-----|------------------|-------------|-----------------------|--------|-------------|------------------|-------------------|------------|-----------------------|--------|
| 524993         | MCDONALD FARMS JOLLY VERN.....   |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 11-22-54       | 439587 1609529                   | 3   | AI DAUGHTERS-03  |             |                       |        |             |                  |                   |            |                       |        |
| AI STUO, 33-03 | LISTED, 05-64                    | 3   | WITH HERD-MATES  |             |                       |        |             |                  |                   |            |                       |        |
| STATES-        | 22,23,50,51,52,57,63             |     |                  |             |                       |        |             |                  |                   |            |                       |        |
|                |                                  | 47  | NON-AI DAUGHTERS | 91          | 9,511                 | 5.4    | 512         |                  |                   |            |                       |        |
|                |                                  | 45  | WITH HERD-MATES  | 88          | 9,613                 | 5.4    | 518         | 13               | 9,900             | 493        |                       |        |
|                |                                  |     |                  |             |                       |        |             | OIFF.            | 287-              | 25         |                       |        |
| 525166         | VALLEY SET STARS YANKEE.....     |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 02-10-56       | 483285 895259                    | 16  | NON-AI DAUGHTERS | 27          | 9,707                 | 5.0    | 484         |                  |                   |            |                       |        |
|                | LISTED, 08-63                    | 16  | WITH HERD-MATES  | 27          | 9,707                 | 5.0    | 484         | 8                | 9,508             | 467        |                       |        |
| STATES-        | 32,34                            |     |                  |             |                       |        |             | DIFF.            | 199               | 17         |                       |        |
| 525292         | .....                            |     |                  |             |                       |        |             |                  |                   |            |                       |        |
|                |                                  | 5   | NON-AI DAUGHTERS | 7           | 8,159                 | 4.5    | 370         |                  |                   |            |                       |        |
| STATES-        | 74,85                            | 5   | WITH HERD-MATES  | 7           | 8,159                 | 4.5    | 370         | 19               | 7,649             | 343        |                       |        |
|                |                                  |     |                  |             |                       |        |             | DIFF.            | 510               | 27         |                       |        |
| 525335         | PINEHURST DUKE.....              |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 12-01-53       | 486617 1377659                   | 8   | NON-AI DAUGHTERS | 13          | 6,405                 | 4.9    | 315         |                  |                   |            |                       |        |
| STATES-        | 23                               | 8   | WITH HERD-MATES  | 13          | 6,405                 | 4.9    | 315         | 5                | 8,144             | 383        |                       |        |
|                |                                  |     |                  |             |                       |        |             | OIFF.            | 1739-             | 68-        |                       |        |
| 525381         | HOMINY HILL IMPERIAL.....        |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 02-04-56       | 422711 1505185                   | 31  | NON-AI DAUGHTERS | 52          | 11,260                | 4.5    | 509         |                  |                   |            |                       |        |
| AI STUO, 23-08 | LISTED, 05-64                    | 31  | WITH HERD-MATES  | 52          | 11,260                | 4.5    | 509         | 23               | 10,321            | 494        |                       |        |
| STATES-        | 23                               |     |                  |             |                       |        |             | DIFF.            | 939               | 15         |                       |        |
| 525396         | MULHOCWAY ERDS BUTTERFAT.....    |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 05-28-55       | 415353 873842                    | 117 | AI DAUGHTERS-25* | 258         | 8,942                 | 4.8    | 433         |                  |                   |            |                       |        |
| AI STUO, 23-05 | LISTED, 05-64                    | 115 | WITH HERD-MATES  | 251         | 8,904                 | 4.8    | 431         | 15               | 8,888             | 422        | 8,649                 | 420    |
| STATES-        | 22,23,31,55                      |     |                  |             |                       |        |             | DIFF.            | 16                | 9          |                       |        |
|                |                                  | 2   | NON-AI DAUGHTERS | 4           | 7,170                 | 5.2    | 373         |                  |                   |            |                       |        |
|                |                                  | 2   | WITH HERD-MATES  | 2           | 7,775                 | 5.3    | 411         | 5                | 8,497             | 393        |                       |        |
|                |                                  |     |                  |             |                       |        |             | OIFF.            | 722-              | 18         |                       |        |
| 525445         | BEN VENUE WINNIE-S MARATHON..... |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 04-01-56       | 484368 1533452                   | 18  | NON-AI DAUGHTERS | 22          | 7,909                 | 4.6    | 365         |                  |                   |            |                       |        |
|                | LISTED, 03-64                    | 18  | WITH HERD-MATES  | 22          | 7,909                 | 4.6    | 365         | 10               | 7,811             | 362        |                       |        |
| STATES-        | 52                               |     |                  |             |                       |        |             | OIFF.            | 98                | 3          |                       |        |
| 525463         | COLBY-S MR MINNIE.....           |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 11-15-55       | 475416 1104226                   | 51  | NON-AI DAUGHTERS | 76          | 9,466                 | 5.1    | 485         |                  |                   |            |                       |        |
| AI STUO, 34-01 | LISTED, 03-64                    | 51  | WITH HERD-MATES  | 76          | 9,466                 | 5.1    | 485         | 20               | 8,982             | 440        |                       |        |
| STATES-        | 23,34,35,41,45,84,92             |     |                  |             |                       |        |             | OIFF.            | 484               | 45         |                       |        |
| 525495         | PHEASANT LODGE BOB.....          |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 10-28-55       | 477587 1441427                   | 20  | NON-AI DAUGHTERS | 39          | 8,180                 | 4.7    | 388         |                  |                   |            |                       |        |
| STATES-        | 42                               | 20  | WITH HERD-MATES  | 38          | 8,181                 | 4.7    | 388         | 10               | 9,409             | 454        |                       |        |
|                |                                  |     |                  |             |                       |        |             | OIFF.            | 1228-             | 66-        |                       |        |
| 525603         | .....                            |     |                  |             |                       |        |             |                  |                   |            |                       |        |
|                |                                  | 5   | NON-AI DAUGHTERS | 6           | 7,474                 | 5.5    | 411         |                  |                   |            |                       |        |
| STATES-        | 42                               | 5   | WITH HERD-MATES  | 6           | 7,474                 | 5.5    | 411         | 1                | 7,594             | 396        |                       |        |
|                |                                  |     |                  |             |                       |        |             | OIFF.            | 120-              | 15         |                       |        |
| 525763         | .....                            |     |                  |             |                       |        |             |                  |                   |            |                       |        |
|                |                                  | 6   | NON-AI DAUGHTERS | 7           | 7,734                 | 4.6    | 353         |                  |                   |            |                       |        |
| STATES-        | 35,58                            | 6   | WITH HERD-MATES  | 7           | 7,734                 | 4.6    | 353         | 5                | 7,414             | 348        |                       |        |
|                |                                  |     |                  |             |                       |        |             | OIFF.            | 320               | 5          |                       |        |
| 525785         | LAKE SIDE FOREMOST HORNET.....   |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 12-06-55       | 491725 1555144                   | 17  | NON-AI DAUGHTERS | 30          | 10,307                | 4.5    | 466         |                  |                   |            |                       |        |
| STATES-        | 42                               | 16  | WITH HERD-MATES  | 29          | 10,150                | 4.4    | 450         | 7                | 9,666             | 460        |                       |        |
|                |                                  |     |                  |             |                       |        |             | DIFF.            | 484               | 10-        |                       |        |
| 525814         | BROCKWELL P. D. FELMAN.....      |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 10-05-55       | 500854 1253225                   | 17  | NON-AI DAUGHTERS | 23          | 9,824                 | 5.1    | 499         |                  |                   |            |                       |        |
| STATES-        | 91                               | 17  | WITH HERD-MATES  | 23          | 9,824                 | 5.1    | 499         | 19               | 10,002            | 486        |                       |        |
|                |                                  |     |                  |             |                       |        |             | OIFF.            | 178-              | 13         |                       |        |
| 525833         | HANDOVER HILL MASTER.....        |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 06-13-55       | 495514 1301172                   | 21  | NON-AI DAUGHTERS | 42          | 9,654                 | 4.9    | 472         |                  |                   |            |                       |        |
| STATES-        | 23                               | 21  | WITH HERD-MATES  | 42          | 9,654                 | 4.9    | 472         | 8                | 9,763             | 488        |                       |        |
|                |                                  |     |                  |             |                       |        |             | OIFF.            | 109-              | 16-        |                       |        |
| 525882         | CHAPPELL-S FORECAST PRINCE.....  |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 07-31-55       | 511056 1555123                   | 8   | NON-AI DAUGHTERS | 11          | 8,496                 | 4.9    | 413         |                  |                   |            |                       |        |
| STATES-        | 55                               | 8   | WITH HERD-MATES  | 11          | 8,496                 | 4.9    | 413         | 44               | 8,058             | 380        |                       |        |
|                |                                  |     |                  |             |                       |        |             | OIFF.            | 438               | 33         |                       |        |
| 525910         | CLA-ORE BONANZA-S JASDN.....     |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 11-30-55       | 470508 1323961                   | 21  | NON-AI DAUGHTERS | 36          | 10,288                | 5.6    | 581         |                  |                   |            |                       |        |
| AI STUO, 35-75 | LISTED, 05-64                    | 21  | WITH HERD-MATES  | 36          | 10,288                | 5.6    | 581         | 18               | 10,622            | 562        |                       |        |
| STATES-        | 63,82,92                         |     |                  |             |                       |        |             | OIFF.            | 334-              | 19         |                       |        |
| 525936         | .....                            |     |                  |             |                       |        |             |                  |                   |            |                       |        |
|                |                                  | 5   | NON-AI DAUGHTERS | 5           | 7,818                 | 4.6    | 357         |                  |                   |            |                       |        |
| STATES-        | 32                               | 5   | WITH HERD-MATES  | 5           | 7,818                 | 4.6    | 357         | 10               | 8,190             | 386        |                       |        |
|                |                                  |     |                  |             |                       |        |             | OIFF.            | 372-              | 29-        |                       |        |
| 525969         | BETHANY WISTAR-S H. HONDR.....   |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 12-13-55       | 416480 837157                    | 132 | AI DAUGHTERS-25* | 170         | 9,459                 | 4.9    | 465         |                  |                   |            |                       |        |
| AI STUO, 23-04 | LISTED, 05-64                    | 128 | WITH HERD-MATES  | 165         | 9,501                 | 4.9    | 467         | 16               | 9,307             | 459        | 8,849                 | 423    |
| STATES-        | 23,52                            |     |                  |             |                       |        |             | OIFF.            | 194               | 8          |                       |        |
|                |                                  | 2   | NON-AI DAUGHTERS | 3           | 9,268                 | 4.8    | 448         |                  |                   |            |                       |        |
|                |                                  | 2   | WITH HERD-MATES  | 3           | 9,268                 | 4.8    | 448         | 17               | 9,124             | 461        |                       |        |
|                |                                  |     |                  |             |                       |        |             | OIFF.            | 144               | 13-        |                       |        |
| 526027         | HILLCREST TRUMP.....             |     |                  |             |                       |        |             |                  |                   |            |                       |        |
| 12-20-55       | 507751 1220074                   | 74  | AI DAUGHTERS-25* | 127         | 7,907                 | 4.9    | 386         |                  |                   |            |                       |        |
| AI STUO, 23-02 | LISTED, 05-64                    | 64  | WITH HERD-MATES  | 114         | 8,093                 | 4.9    | 396         | 11               | 8,585             | 402        | 8,194                 | 405    |
| STATES-        | 23,58                            |     |                  |             |                       |        |             | DIFF.            | 492-              | 6-         |                       |        |



## SIREN OF DHIA DAUGHTERS

| GUERNSEY   |      |        |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES | AV. PREDICTED | AV.  |           |
|--|------|--------|-----|------------------------|-----------------|---------------|------|-----------|
| RECORDS  | MILK | TEST   | FAT | NUMBER                 | AV. MILK        | FAT           | MILK | FAT       |
| NUMBER   | L8   | %      | L8  |                        | L8              | L8            | L8   | L8        |
| 526063 QUAIL RDDST SUPER GAY.....                |      |        |     |                        |                 |               |      |           |
| 01-14-56 497282 1421675 26 NDN-AI DAUGHTERS      | 42   | 7,297  | 4.9 | 355                    |                 |               |      |           |
| STATES- 55,57 26 WITH HERD-MATES                 | 42   | 7,297  | 4.9 | 355                    | 18              | 7,660         | 380  |           |
|  |      |        |     |                        | DIFF.           | 363-          | 25-  |           |
| 526134 DENNIS FARM FDRE JULIUS.....              |      |        |     |                        |                 |               |      |           |
| 10-28-55 449173 1283142 20 NDN-AI DAUGHTERS      | 48   | 10,417 | 5.0 | 522                    |                 |               |      |           |
| AI STUD, 35-02 LISTED, 05-64 20 WITH HERD-MATES  | 48   | 10,417 | 5.0 | 522                    | 5               | 9,896         | 473  |           |
| STATES- 33                                       |      |        |     |                        | DIFF.           | 521           | 49   |           |
| 526188 PRIMRDESE FARM PREMIER.....               |      |        |     |                        |                 |               |      |           |
| 11-05-55 475749 1353573 11 NDN-AI DAUGHTERS      | 15   | 8,093  | 5.1 | 411                    |                 |               |      |           |
| LISTED, 05-64 11 WITH HERD-MATES                 | 15   | 8,093  | 5.1 | 411                    | 14              | 8,371         | 394  |           |
| STATES- 61                                       |      |        |     |                        | DIFF.           | 278-          | 17   |           |
| 526209 BLAKEFRD MDDEL.....                       |      |        |     |                        |                 |               |      |           |
| 03-21-56 326235 1128395 23 NDN-AI DAUGHTERS      | 43   | 10,016 | 4.7 | 472                    |                 |               |      |           |
| LISTED, 08-63 23 WITH HERD-MATES                 | 43   | 10,016 | 4.7 | 472                    | 10              | 9,752         | 455  |           |
| STATES- 51                                       |      |        |     |                        | DIFF.           | 264           | 17   |           |
| 526294 NYALA MAJESTY-S ACME.....                 |      |        |     |                        |                 |               |      |           |
| 12-24-55 332819 1352408 172 AI DAUGHTERS-25*     | 262  | 9,878  | 4.7 | 464                    |                 |               |      |           |
| AI STUD, 16-04 LISTED, 05-64 168 WITH HERD-MATES | 256  | 9,890  | 4.7 | 465                    | 15              | 9,287         | 448  | 9,233 431 |
| STATES- 13,14,16,23,57                           |      |        |     |                        | DIFF.           | 603           | 17   |           |
| 526303 WABEEK HDRNET-S CAVALIER.....             |      |        |     |                        |                 |               |      |           |
| 09-21-55 511201 1247808 13 NDN-AI DAUGHTERS      | 22   | 7,925  | 4.7 | 373                    |                 |               |      |           |
| STATES- 34 13 WITH HERD-MATES                    | 22   | 7,925  | 4.7 | 373                    | 7               | 9,456         | 452  |           |
|  |      |        |     |                        | DIFF.           | 1531-         | 79-  |           |
| 526306 FER-MANDR 8 F SAMSDN.....                 |      |        |     |                        |                 |               |      |           |
| 05-30-55 482542 842160 116 AI DAUGHTERS-25*      | 182  | 9,070  | 5.0 | 450                    |                 |               |      |           |
| AI STUD, 91-01 LISTED, 08-63 112 WITH HERD-MATES | 175  | 9,061  | 5.0 | 450                    | 11              | 9,454         | 461  | 8,331 406 |
| STATES- 74,82,84,87,91,92                        |      |        |     |                        | DIFF.           | 393-          | 11-  |           |
|  |      |        |     |                        |                 |               |      |           |
| 1 NDN-AI DAUGHTERS                               | 3    | 9,753  | 5.1 | 496                    |                 |               |      |           |
| 1 WITH HERD-MATES                                | 3    | 9,753  | 5.1 | 496                    | 3               | 9,520         | 463  |           |
|  |      |        |     |                        | DIFF.           | 233           | 33   |           |
| 526399 ANITA-S SAINT.....                        |      |        |     |                        |                 |               |      |           |
| 11-15-55 429156 832757 18 NDN-AI DAUGHTERS       | 25   | 8,505  | 5.2 | 441                    |                 |               |      |           |
| STATES- 23 18 WITH HERD-MATES                    | 25   | 8,505  | 5.2 | 441                    | 20              | 9,091         | 450  |           |
|  |      |        |     |                        | DIFF.           | 586-          | 9-   |           |
| 526409 BURK-BARTON MASTER.....                   |      |        |     |                        |                 |               |      |           |
| 04-06-54 426820 983390 10 NDN-AI DAUGHTERS       | 12   | 9,348  | 4.6 | 428                    |                 |               |      |           |
| LISTED, 11-63 10 WITH HERD-MATES                 | 12   | 9,348  | 4.6 | 428                    | 10              | 8,091         | 381  |           |
| STATES- 32                                       |      |        |     |                        | DIFF.           | 1257          | 47   |           |
| 526508 RDUGILLA LEVITY BARDN.....                |      |        |     |                        |                 |               |      |           |
| 09-20-55 385485 1359099 74 AI DAUGHTERS-25*      | 112  | 9,261  | 4.8 | 448                    |                 |               |      |           |
| AI STUD, 11-01 LISTED, 05-64 70 WITH HERD-MATES  | 104  | 9,292  | 4.8 | 450                    | 12              | 9,273         | 443  | 8,681 420 |
| STATES- 11                                       |      |        |     |                        | DIFF.           | 19            | 7    |           |
| 526570 HICKORY RIDGE S. CDLDNEL.....             |      |        |     |                        |                 |               |      |           |
| 11-24-55 504643 1059193 17 NDN-AI DAUGHTERS      | 27   | 9,350  | 4.9 | 458                    |                 |               |      |           |
| LISTED, 11-63 17 WITH HERD-MATES                 | 27   | 9,350  | 4.9 | 458                    | 6               | 9,758         | 472  |           |
| STATES- 12,13,14                                 |      |        |     |                        | DIFF.           | 408-          | 14-  |           |
| 526587 PASTURE HAVEN BELAIRE.....                |      |        |     |                        |                 |               |      |           |
| 12-25-55 490452 1418511 20 NDN-AI DAUGHTERS      | 25   | 8,416  | 5.2 | 434                    |                 |               |      |           |
| LISTED, 08-63 20 WITH HERD-MATES                 | 25   | 8,416  | 5.2 | 434                    | 7               | 9,228         | 458  |           |
| STATES- 32,72                                    |      |        |     |                        | DIFF.           | 812-          | 24-  |           |
| 526592 IDEAL-S TILDA-S SUPERIDR.....             |      |        |     |                        |                 |               |      |           |
| 09-23-55 448080 950446 46 NDN-AI DAUGHTERS       | 61   | 9,008  | 5.0 | 452                    |                 |               |      |           |
| AI STUD, 35-75 LISTED, 05-64 46 WITH HERD-MATES  | 61   | 9,008  | 5.0 | 452                    | 24              | 9,109         | 427  |           |
| STATES- 23,51,52                                 |      |        |     |                        | DIFF.           | 101-          | 25   |           |
| 526594 MCDONALD FARMS PRE LAST SDN.....          |      |        |     |                        |                 |               |      |           |
| 08-23-55 293925 1132905 73 AI DAUGHTERS-25*      | 139  | 8,125  | 5.0 | 404                    |                 |               |      |           |
| AI STUD, 21-01 70 WITH HERD-MATES                | 134  | 8,165  | 5.0 | 405                    | 15              | 8,903         | 418  | 8,006 401 |
| STATES- 13,16,21,22,23,31                        |      |        |     |                        | DIFF.           | 738-          | 13-  |           |
| 526747 YELLOW CREEK S HANDY MAN.....             |      |        |     |                        |                 |               |      |           |
| 12-12-55 475595 1222895 32 NDN-AI DAUGHTERS      | 52   | 9,601  | 5.2 | 495                    |                 |               |      |           |
| AI STUD, 51-02 LISTED, 05-64 32 WITH HERD-MATES  | 51   | 9,595  | 5.2 | 495                    | 15              | 10,023        | 507  |           |
| STATES- 32,34,51                                 |      |        |     |                        | DIFF.           | 428-          | 12-  |           |
| 526798 MONTEREY KING-S FANCIER.....              |      |        |     |                        |                 |               |      |           |
| 03-19-56 474842 1383963 9 NDN-AI DAUGHTERS       | 10   | 9,966  | 5.1 | 511                    |                 |               |      |           |
| LISTED, 03-64 9 WITH HERD-MATES                  | 10   | 9,966  | 5.1 | 511                    | 20              | 10,160        | 497  |           |
| STATES- 16,23,52,56,58,61,82                     |      |        |     |                        | DIFF.           | 194-          | 14   |           |
| 526870 MCDONALD FARMS ROYAL ZEBD.....            |      |        |     |                        |                 |               |      |           |
| 02-09-56 470604 1425630 27 NDN-AI DAUGHTERS      | 44   | 10,848 | 4.9 | 528                    |                 |               |      |           |
| AI STUD, 35-02 LISTED, 05-64 27 WITH HERD-MATES  | 44   | 10,848 | 4.9 | 528                    | 17              | 10,197        | 488  |           |
| STATES- 31,56                                    |      |        |     |                        | DIFF.           | 651           | 40   |           |
| 526871 MCDONALD FARMS MISTER YDRK.....           |      |        |     |                        |                 |               |      |           |
| 02-14-56 488786 1609528 8 NDN-AI DAUGHTERS       | 10   | 9,105  | 5.0 | 455                    |                 |               |      |           |
| LISTED, 03-64 8 WITH HERD-MATES                  | 10   | 9,105  | 5.0 | 455                    | 18              | 8,748         | 427  |           |
| STATES- 52,57                                    |      |        |     |                        | DIFF.           | 357           | 28   |           |
| 526953 AVALONG FARMS BEN-S DUKE.....             |      |        |     |                        |                 |               |      |           |
| 04-04-55 471454 1363274 12 NDN-AI DAUGHTERS      | 26   | 9,098  | 5.2 | 471                    |                 |               |      |           |
| STATES- 52 12 WITH HERD-MATES                    | 26   | 9,098  | 5.2 | 471                    | 20              | 9,182         | 455  |           |
|  |      |        |     |                        | DIFF.           | 84-           | 16   |           |
| 526968 LYRENE MAY RDSE KING.....                 |      |        |     |                        |                 |               |      |           |
| 07-05-54 456568 713744 15 NDN-AI DAUGHTERS       | 25   | 11,418 | 4.6 | 525                    |                 |               |      |           |
| AI STUD, 61-01 LISTED, 05-64 15 WITH HERD-MATES  | 25   | 11,418 | 4.6 | 525                    | 16              | 10,906        | 515  |           |
| STATES- 34,61                                    |      |        |     |                        | DIFF.           | 512           | 10   |           |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY                              |                                    |    |                  | AV. RECORDS | PRDUCTION MILK LB | DF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK FAT LB |     |
|---------------------------------------|------------------------------------|----|------------------|-------------|-------------------|-----------|-------------|-----------------|--------------------|------------|---------------------------|-----|
| 527002                                | CHEDCD PHILDSOPHER.....            |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 05-15-56                              | 501368 1195918                     | 82 | AI DAUGHTERS-25* | 133         | 9,006             | 4.8       | 431         |                 |                    |            |                           |     |
| AI STUD, 31-02                        | LISTED, 05-64                      | 82 | WITH HERD-MATES  | 133         | 9,006             | 4.8       | 431         | 17              | 8,937              | 425        | 8,698                     | 417 |
| STATES- 23,31,32,41,55,56,58,64,72,85 |                                    |    |                  |             |                   |           |             | DIFF.           | 69                 | 6          |                           |     |
| 527022                                | WILCDN-S KING EDWARD OF C. D.....  |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 05-12-56                              | 504493 1156748                     | 32 | NON-AI DAUGHTERS | 58          | 7,614             | 4.7       | 356         |                 |                    |            |                           |     |
| STATES- 84                            | LISTED, 08-63                      | 32 | WITH HERD-MATES  | 58          | 7,614             | 4.7       | 356         | 5               | 7,312              | 338        |                           |     |
|                                       |                                    |    |                  |             |                   |           |             | DIFF.           | 302                | 18         |                           |     |
| 527120                                | WDLFPEN BUTTERFAT.....             |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 07-29-55                              | 493100 1197256                     | 8  | NON-AI DAUGHTERS | 26          | 9,226             | 4.8       | 447         |                 |                    |            |                           |     |
| STATES- 14                            |                                    | 8  | WITH HERD-MATES  | 23          | 9,214             | 4.9       | 449         | 17              | 9,362              | 430        |                           |     |
|                                       |                                    |    |                  |             |                   |           |             | DIFF.           | 148-               | 19         |                           |     |
| 527250                                | WOODACRES LEADER-S BARON.....      |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 07-20-55                              | 383832 1401327                     | 9  | NON-AI DAUGHTERS | 14          | 9,817             | 5.2       | 508         |                 |                    |            |                           |     |
| STATES- 31                            | LISTED, 08-63                      | 9  | WITH HERD-MATES  | 14          | 9,817             | 5.2       | 508         | 3               | 9,901              | 512        |                           |     |
|                                       |                                    |    |                  |             |                   |           |             | DIFF.           | 84-                | 4-         |                           |     |
| 527252                                | WOODACRES VALIANT LEADER.....      |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 09-06-55                              | 383832 1233741                     | 58 | AI DAUGHTERS-25* | 90          | 8,430             | 4.6       | 391         |                 |                    |            |                           |     |
| AI STUD, 23-07                        | LISTED, 08-63                      | 58 | WITH HERD-MATES  | 90          | 8,430             | 4.6       | 391         | 17              | 8,504              | 414        | 8,540                     | 392 |
| STATES- 23,48,64,73                   |                                    |    |                  |             |                   |           |             | DIFF.           | 74-                | 23-        |                           |     |
| 527318                                | .....                              |    |                  |             |                   |           |             |                 |                    |            |                           |     |
|                                       |                                    | 5  | NON-AI DAUGHTERS | 6           | 9,736             | 4.7       | 461         |                 |                    |            |                           |     |
| STATES- 34                            |                                    | 5  | WITH HERD-MATES  | 6           | 9,736             | 4.7       | 461         | 10              | 9,510              | 464        |                           |     |
|                                       |                                    |    |                  |             |                   |           |             | DIFF.           | 226                | 3-         |                           |     |
| 527390                                | HERMITAGE VIEW S. ALLEN.....       |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 12-23-55                              | 411316 761246                      | 19 | AI DAUGHTERS-12  | 28          | 7,327             | 4.9       | 361         |                 |                    |            |                           |     |
| AI STUD, 48-01                        | LISTED, 05-64                      | 18 | WITH HERD-MATES  | 27          | 7,245             | 5.0       | 359         | 12              | 8,355              | 409        | 7,928                     | 381 |
| STATES- 48                            |                                    |    |                  |             |                   |           |             | DIFF.           | 1110-              | 50-        |                           |     |
|                                       |                                    | 1  | NDN-AI DAUGHTERS | 1           | 6,100             | 5.2       | 316         |                 |                    |            |                           |     |
|                                       |                                    | 1  | WITH HERD-MATES  | 1           | 6,100             | 5.2       | 316         | 1               | 10,625             | 466        |                           |     |
|                                       |                                    |    |                  |             |                   |           |             | DIFF.           | 4525-              | 150-       |                           |     |
| 527391                                | HERMITAGE VIEW S KING.....         |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 01-12-56                              | 411316 1302222                     | 20 | NDN-AI DAUGHTERS | 36          | 7,615             | 5.1       | 385         |                 |                    |            |                           |     |
| STATES- 63                            | LISTED, 08-63                      | 20 | WITH HERD-MATES  | 36          | 7,615             | 5.1       | 385         | 17              | 8,240              | 398        |                           |     |
|                                       |                                    |    |                  |             |                   |           |             | DIFF.           | 625-               | 13-        |                           |     |
| 527398                                | OLLASSES NOBLE PREDICTION.....     |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 01-17-56                              | 508424 886641                      | 10 | NON-AI DAUGHTERS | 10          | 9,178             | 4.6       | 420         |                 |                    |            |                           |     |
| STATES- 31,51                         | LISTED, 11-63                      | 10 | WITH HERD-MATES  | 10          | 9,178             | 4.6       | 420         | 8               | 10,633             | 476        |                           |     |
|                                       |                                    |    |                  |             |                   |           |             | DIFF.           | 1455-              | 56-        |                           |     |
| 527400                                | COZY NOOK-S V LADDIE.....          |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 01-03-56                              | 490721 1550673                     | 22 | NDN-AI DAUGHTERS | 39          | 7,614             | 4.9       | 376         |                 |                    |            |                           |     |
| AI STUD, 35-04                        | LISTED, 05-64                      | 22 | WITH HERD-MATES  | 39          | 7,614             | 4.9       | 376         | 11              | 8,479              | 402        |                           |     |
| STATES- 35,58                         |                                    |    |                  |             |                   |           |             | DIFF.           | 865-               | 26-        |                           |     |
| 527413                                | MULHOCWAY B MAGISTRATE.....        |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 01-16-56                              | 493764 1466585                     | 25 | NON-AI DAUGHTERS | 44          | 9,309             | 5.1       | 477         |                 |                    |            |                           |     |
| AI STUD, 41-01                        | LISTED, 05-64                      | 25 | WITH HERD-MATES  | 43          | 9,251             | 5.1       | 474         | 7               | 9,082              | 438        |                           |     |
| STATES- 35,41                         |                                    |    |                  |             |                   |           |             | DIFF.           | 169                | 36         |                           |     |
| 527472                                | .....                              |    |                  |             |                   |           |             |                 |                    |            |                           |     |
|                                       |                                    | 7  | NON-AI DAUGHTERS | 8           | 8,700             | 5.2       | 453         |                 |                    |            |                           |     |
| STATES- 32                            |                                    | 7  | WITH HERD-MATES  | 8           | 8,700             | 5.2       | 453         | 29              | 8,979              | 433        |                           |     |
|                                       |                                    |    |                  |             |                   |           |             | DIFF.           | 279-               | 20         |                           |     |
| 527534                                | IDEAL-S TRISUPER.....              |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 01-10-55                              | 448080 1359994                     | 40 | NON-AI DAUGHTERS | 52          | 9,851             | 5.1       | 499         |                 |                    |            |                           |     |
| AI STUD, 33-03                        | LISTED, 05-64                      | 40 | WITH HERD-MATES  | 52          | 9,851             | 5.1       | 499         | 31              | 10,092             | 497        |                           |     |
| STATES- 16,21,22,23,32,33,35,52       |                                    |    |                  |             |                   |           |             | DIFF.           | 241-               | 2          |                           |     |
| 527543                                | FAIRLAWN ACTOR-S KNIGHT.....       |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 02-01-56                              | 322785 1472602                     | 18 | NON-AI DAUGHTERS | 33          | 10,588            | 4.9       | 523         |                 |                    |            |                           |     |
| STATES- 32,72                         |                                    | 18 | WITH HERD-MATES  | 33          | 10,588            | 4.9       | 523         | 18              | 10,363             | 504        |                           |     |
|                                       |                                    |    |                  |             |                   |           |             | DIFF.           | 225                | 19         |                           |     |
| 527554                                | .....                              |    |                  |             |                   |           |             |                 |                    |            |                           |     |
|                                       |                                    | 5  | NON-AI DAUGHTERS | 11          | 8,845             | 4.7       | 417         |                 |                    |            |                           |     |
| STATES- 32                            |                                    | 5  | WITH HERD-MATES  | 11          | 8,845             | 4.7       | 417         | 7               | 8,920              | 415        |                           |     |
|                                       |                                    |    |                  |             |                   |           |             | DIFF.           | 75-                | 2          |                           |     |
| 527555                                | THDMAS FARM TRANSFER.....          |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 04-06-56                              | 453207 1451346                     | 8  | NON-AI DAUGHTERS | 12          | 6,584             | 5.0       | 332         |                 |                    |            |                           |     |
| STATES- 32                            | LISTED, 11-63                      | 8  | WITH HERD-MATES  | 12          | 6,584             | 5.0       | 332         | 14              | 8,643              | 400        |                           |     |
|                                       |                                    |    |                  |             |                   |           |             | DIFF.           | 2059-              | 68-        |                           |     |
| 527578                                | IDACREST B PHYLIP.....             |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 01-08-56                              | 496783 1511569                     | 5  | NON-AI DAUGHTERS | 5           | 11,530            | 5.0       | 577         |                 |                    |            |                           |     |
| AI STUD, 41-25                        |                                    | 4  | WITH HERD-MATES  | 4           | 11,790            | 4.9       | 576         | 2               | 9,120              | 475        |                           |     |
| STATES- 82                            |                                    |    |                  |             |                   |           |             | DIFF.           | 2670               | 101        |                           |     |
| 527598                                | MCDONALD FARMS ROYAL WAR LORD..... |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 09-11-55                              | 470604 1415996                     | 11 | NON-AI DAUGHTERS | 16          | 9,583             | 5.2       | 500         |                 |                    |            |                           |     |
| STATES- 16,21,23,31                   | LISTED, 08-63                      | 11 | WITH HERD-MATES  | 16          | 9,583             | 5.2       | 500         | 18              | 9,666              | 469        |                           |     |
|                                       |                                    |    |                  |             |                   |           |             | DIFF.           | 83-                | 31         |                           |     |
| 527608                                | STARLIGHT-S C. SERGEANT.....       |    |                  |             |                   |           |             |                 |                    |            |                           |     |
| 10-10-55                              | 505667 880933                      | 10 | NON-AI DAUGHTERS | 11          | 9,660             | 4.7       | 453         |                 |                    |            |                           |     |
| STATES- 32                            | LISTED, 11-63                      | 10 | WITH HERD-MATES  | 11          | 9,660             | 4.7       | 453         | 11              | 8,804              | 406        |                           |     |
|                                       |                                    |    |                  |             |                   |           |             | DIFF.           | 856                | 47         |                           |     |
| 527776                                | .....                              |    |                  |             |                   |           |             |                 |                    |            |                           |     |
|                                       |                                    | 7  | NON-AI DAUGHTERS | 9           | 8,537             | 4.9       | 416         |                 |                    |            |                           |     |
| STATES- 32                            |                                    | 7  | WITH HERD-MATES  | 9           | 8,537             | 4.9       | 416         | 7               | 8,925              | 441        |                           |     |
|                                       |                                    |    |                  |             |                   |           |             | DIFF.           | 388-               | 25-        |                           |     |





## SIRE OF DHIA DAUGHTERS

| GUERNSEY                           |                                    |     |                  | AV. RECORDS | PRODUCTION MILK L8 | DF TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED AV. MILK FAT L8 |     |
|------------------------------------|------------------------------------|-----|------------------|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|---------------------------|-----|
| 529081                             | ATTEBROC MAJESTY-S SUZERAIN.....   |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 07-11-56                           | 4113D9 1068198                     | 16  | NON-AI DAUGHTERS | 21          | 8,359              | 5.0       | 422         |                 |                    |            |                           |     |
| STATES- 41                         |                                    | 16  | WITH HERD-MATES  | 21          | 8,359              | 5.0       | 422         | 10              | 8,680              | 435        |                           |     |
|                                    |                                    |     |                  |             |                    |           |             | DIFF.           | 321-               | 13-        |                           |     |
| 529281                             | .....                              |     |                  |             |                    |           |             |                 |                    |            |                           |     |
|                                    |                                    | 5   | NON-AI DAUGHTERS | 7           | 10,319             | 4.6       | 478         |                 |                    |            |                           |     |
| STATES- 43                         |                                    | 5   | WITH HERD-MATES  | 7           | 10,319             | 4.6       | 478         | 26              | 7,859              | 382        |                           |     |
|                                    |                                    |     |                  |             |                    |           |             | DIFF.           | 2460               | 96         |                           |     |
| 529307                             | KING MAX OF BOXMONT.....           |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 01-16-56                           | 469491 1122755                     | 28  | NON-AI DAUGHTERS | 47          | 5,799              | 5.3       | 309         |                 |                    |            |                           |     |
| STATES- 52                         |                                    | 28  | WITH HERD-MATES  | 47          | 5,799              | 5.3       | 309         | 42              | 6,789              | 336        |                           |     |
|                                    |                                    |     |                  |             |                    |           |             | DIFF.           | 990-               | 27-        |                           |     |
| 529340                             | .....                              |     |                  |             |                    |           |             |                 |                    |            |                           |     |
|                                    |                                    | 5   | NON-AI DAUGHTERS | 5           | 8,376              | 4.6       | 388         |                 |                    |            |                           |     |
| STATES- 31                         |                                    | 5   | WITH HERD-MATES  | 5           | 8,376              | 4.6       | 388         | 26              | 10,476             | 483        |                           |     |
|                                    |                                    |     |                  |             |                    |           |             | DIFF.           | 2100-              | 95-        |                           |     |
| 529427                             | .....                              |     |                  |             |                    |           |             |                 |                    |            |                           |     |
|                                    |                                    | 5   | NON-AI DAUGHTERS | 6           | 9,240              | 4.9       | 456         |                 |                    |            |                           |     |
| STATES- 56                         |                                    | 5   | WITH HERD-MATES  | 6           | 9,240              | 4.9       | 456         | 33              | 9,857              | 483        |                           |     |
|                                    |                                    |     |                  |             |                    |           |             | DIFF.           | 617-               | 27-        |                           |     |
| 529456                             | HENSLEE FARMS VISCOUNT.....        |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 07-07-56                           | 512972 14D8844                     | 22  | NON-AI DAUGHTERS | 39          | 11,111             | 5.1       | 565         |                 |                    |            |                           |     |
| AI STUD, 35-75                     | LISTED, 05-64                      | 21  | WITH HERD-MATES  | 37          | 11,085             | 5.1       | 566         | 13              | 10,940             | 580        |                           |     |
| STATES- 32,61                      |                                    |     |                  |             |                    |           |             | DIFF.           | 145                | 14-        |                           |     |
| 529596                             | HANOVER HILL PROFESSOR.....        |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 07-26-56                           | 503099 1583758                     | 15  | NON-AI DAUGHTERS | 28          | 9,358              | 4.4       | 415         |                 |                    |            |                           |     |
|                                    | LISTED, 08-63                      | 15  | WITH HERD-MATES  | 27          | 9,347              | 4.4       | 415         | 6               | 8,830              | 417        |                           |     |
| STATES- 21                         |                                    |     |                  |             |                    |           |             | DIFF.           | 517                | 2-         |                           |     |
| 529741                             | .....                              |     |                  |             |                    |           |             |                 |                    |            |                           |     |
|                                    |                                    | 5   | NON-AI DAUGHTERS | 5           | 10,874             | 4.2       | 454         |                 |                    |            |                           |     |
| STATES- 86,92                      |                                    | 4   | WITH HERD-MATES  | 4           | 11,425             | 4.0       | 461         | 16              | 10,922             | 477        |                           |     |
|                                    |                                    |     |                  |             |                    |           |             | DIFF.           | 503                | 16-        |                           |     |
| 529773                             | MULHOCWAY BUTTERFAT DISPATCH.....  |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 05-28-56                           | 493764 1268287                     | 43  | NON-AI DAUGHTERS | 56          | 9,248              | 4.9       | 455         |                 |                    |            |                           |     |
| AI STUD, 33-03                     | LISTED, 05-64                      | 43  | WITH HERD-MATES  | 56          | 9,248              | 4.9       | 455         | 28              | 8,692              | 415        |                           |     |
| STATES- 23,47,51,52,63             |                                    |     |                  |             |                    |           |             | DIFF.           | 556                | 40         |                           |     |
| 529775                             | MULHOCWAY BUTTERFAT DOLPHIN.....   |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 07-07-56                           | 493764 804387                      | 117 | AI DAUGHTERS-25* | 139         | 9,026              | 4.8       | 436         |                 |                    |            |                           |     |
| AI STUD, 22-03                     | LISTED, 05-64                      | 114 | WITH HERD-MATES  | 135         | 9,044              | 4.8       | 436         | 24              | 9,541              | 462        | 8,245                     | 392 |
| STATES- 12,21,22,23,31,32,82,91,92 |                                    |     |                  |             |                    |           |             | DIFF.           | 497-               | 26-        |                           |     |
|                                    |                                    | 7   | NON-AI DAUGHTERS | 18          | 9,880              | 4.9       | 482         |                 |                    |            |                           |     |
|                                    |                                    | 7   | WITH HERD-MATES  | 18          | 9,880              | 4.9       | 482         | 36              | 9,645              | 465        |                           |     |
|                                    |                                    |     |                  |             |                    |           |             | DIFF.           | 235                | 17         |                           |     |
| 529809                             | MCDONALD FARMS MISTER ZELL.....    |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 01-12-56                           | 488786 873080                      | 19  | NON-AI DAUGHTERS | 35          | 10,743             | 5.1       | 545         |                 |                    |            |                           |     |
| AI STUD, 35-75                     | LISTED, 03-64                      | 19  | WITH HERD-MATES  | 35          | 10,743             | 5.1       | 545         | 19              | 11,084             | 535        |                           |     |
| STATES- 21,23                      |                                    |     |                  |             |                    |           |             | DIFF.           | 341-               | 10         |                           |     |
| 529811                             | LAKE LOUISE ROYAL LANCER.....      |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 06-13-56                           | 402201 1520504                     | 14  | NON-AI DAUGHTERS | 21          | 11,761             | 5.3       | 627         |                 |                    |            |                           |     |
| AI STUD, 93-10                     | LISTED, 05-64                      | 14  | WITH HERD-MATES  | 21          | 11,761             | 5.3       | 627         | 11              | 10,548             | 531        |                           |     |
| STATES- 93                         |                                    |     |                  |             |                    |           |             | DIFF.           | 1213               | 96         |                           |     |
| 529812                             | LAKE LOUISE CORONATION PRINCE..... |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 06-22-56                           | 428861 1300425                     | 27  | NON-AI DAUGHTERS | 35          | 11,362             | 4.6       | 518         |                 |                    |            |                           |     |
| AI STUD, 23-05                     | LISTED, 03-64                      | 27  | WITH HERD-MATES  | 35          | 11,362             | 4.6       | 518         | 23              | 11,978             | 536        |                           |     |
| STATES- 23,33                      |                                    |     |                  |             |                    |           |             | DIFF.           | 616-               | 18-        |                           |     |
| 529815                             | LAKE LOUISE KING-S RELIANT.....    |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 07-13-56                           | 428861 1444725                     | 8   | NON-AI DAUGHTERS | 14          | 10,895             | 4.7       | 514         |                 |                    |            |                           |     |
|                                    | LISTED, 08-63                      | 7   | WITH HERD-MATES  | 13          | 11,290             | 4.8       | 538         | 21              | 10,460             | 501        |                           |     |
| STATES- 16,21                      |                                    |     |                  |             |                    |           |             | DIFF.           | 830                | 37         |                           |     |
| 529842                             | COL8YS SUPREME.....                |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 06-05-56                           | 516703 1237544                     | 119 | AI DAUGHTERS-25* | 200         | 9,349              | 4.8       | 448         |                 |                    |            |                           |     |
| AI STUD, 41-01                     | LISTED, 05-64                      | 114 | WITH HERD-MATES  | 191         | 9,282              | 4.8       | 447         | 12              | 8,836              | 435        | 9,031                     | 424 |
| STATES- 23,41,42,45,46             |                                    |     |                  |             |                    |           |             | DIFF.           | 446                | 12         |                           |     |
| 529852                             | FRANCHESTER MODEL-S DICTATOR.....  |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 07-09-56                           | 506459 798971                      | 24  | NON-AI DAUGHTERS | 37          | 9,277              | 4.9       | 453         |                 |                    |            |                           |     |
| STATES- 31                         |                                    | 24  | WITH HERD-MATES  | 37          | 9,277              | 4.9       | 453         | 7               | 9,702              | 458        |                           |     |
|                                    |                                    |     |                  |             |                    |           |             | DIFF.           | 425-               | 5-         |                           |     |
| 529906                             | .....                              |     |                  |             |                    |           |             |                 |                    |            |                           |     |
|                                    |                                    | 5   | NON-AI DAUGHTERS | 8           | 8,087              | 4.4       | 359         |                 |                    |            |                           |     |
| STATES- 65                         |                                    | 5   | WITH HERD-MATES  | 8           | 8,087              | 4.4       | 359         | 12              | 7,707              | 337        |                           |     |
|                                    |                                    |     |                  |             |                    |           |             | DIFF.           | 380                | 22         |                           |     |
| 530072                             | BOCHLE-S MAJESTY KING.....         |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 06-10-56                           | 506124 957008                      | 8   | NON-AI DAUGHTERS | 10          | 8,462              | 4.9       | 412         |                 |                    |            |                           |     |
|                                    | LISTED, 03-64                      | 8   | WITH HERD-MATES  | 10          | 8,462              | 4.9       | 412         | 6               | 7,918              | 389        |                           |     |
| STATES- 47,48                      |                                    |     |                  |             |                    |           |             | DIFF.           | 544                | 23         |                           |     |
| 530118                             | MR. WISCDSIN.....                  |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 07-06-56                           | 496446 1447152                     | 12  | NON-AI DAUGHTERS | 19          | 10,758             | 4.6       | 499         |                 |                    |            |                           |     |
|                                    | LISTED, 08-63                      | 12  | WITH HERD-MATES  | 19          | 10,758             | 4.6       | 499         | 13              | 9,642              | 457        |                           |     |
| STATES- 35                         |                                    |     |                  |             |                    |           |             | DIFF.           | 1116               | 42         |                           |     |
| 530206                             | ROLLING MEADOW SAINT-S ELMO.....   |     |                  |             |                    |           |             |                 |                    |            |                           |     |
| 06-16-56                           | 429156 956266                      | 11  | NON-AI DAUGHTERS | 13          | 7,604              | 5.3       | 405         |                 |                    |            |                           |     |
|                                    | LISTED, 11-63                      | 11  | WITH HERD-MATES  | 13          | 7,604              | 5.3       | 405         | 15              | 8,765              | 418        |                           |     |
| STATES- 23                         |                                    |     |                  |             |                    |           |             | DIFF.           | 1161-              | 13-        |                           |     |

## SIRE OF OHIA DAUGHTERS

| GUERNSEY       |                                    |    |                  | AV. PRODUCTION OF |        |      |     | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |
|----------------|------------------------------------|----|------------------|-------------------|--------|------|-----|---------------------|--------|-----|---------------|-----|
|                |                                    |    |                  | RECORDS           | MILK   | TEST | FAT | NUMBER              | MILK   | FAT | MILK          | FAT |
|                |                                    |    |                  | NUMBER            | LB     | %    | LB  | NUMBER              | LB     | LB  | LB            | LB  |
| 530228         | FAIRLAWN HORNET-S VALOR.....       |    |                  |                   |        |      |     |                     |        |     |               |     |
| 10-07-56       | 362352 1211583                     | 13 | NON-AI DAUGHTERS | 17                | 11,656 | 4.8  | 555 |                     |        |     |               |     |
|                | LISTED, 11-63                      | 13 | WITH HERD-MATES  | 17                | 11,656 | 4.8  | 555 | 15                  | 10,177 | 512 |               |     |
|                | STATES- 14,16,23,33                |    |                  |                   |        |      |     | OIFF.               | 1479   | 43  |               |     |
| 530229         | MCDONALD FARMS MISTER YOUNG.....   |    |                  |                   |        |      |     |                     |        |     |               |     |
| 07-06-56       | 488786 1478808                     | 18 | NON-AI DAUGHTERS | 26                | 9,327  | 4.9  | 454 |                     |        |     |               |     |
| AI STUO, 35-04 | LISTED, 05-64                      | 18 | WITH HERD-MATES  | 25                | 9,288  | 4.9  | 451 | 18                  | 9,511  | 464 |               |     |
|                | STATES- 35                         |    |                  |                   |        |      |     | OIFF.               | 223-   | 13- |               |     |
| 530291         | MCDONALD FARMS JOLLY VAL.....      |    |                  |                   |        |      |     |                     |        |     |               |     |
| 12-06-54       | 439587 1175197                     | 41 | NON-AI DAUGHTERS | 78                | 9,686  | 5.1  | 490 |                     |        |     |               |     |
| AI STUO, 35-05 | LISTED, 05-64                      | 41 | WITH HERD-MATES  | 78                | 9,686  | 5.1  | 490 | 17                  | 10,367 | 501 |               |     |
|                | STATES- 14,16,21,22,23,33,35,      |    |                  |                   |        |      |     | OIFF.               | 681-   | 11- |               |     |
| 42,51          |                                    |    |                  |                   |        |      |     |                     |        |     |               |     |
| 530421         | SECO FORWARD-S SLOGAN.....         |    |                  |                   |        |      |     |                     |        |     |               |     |
| 05-11-56       | 404435 1087084                     | 11 | NON-AI DAUGHTERS | 14                | 8,090  | 4.9  | 398 |                     |        |     |               |     |
|                | LISTED, 11-63                      | 11 | WITH HERD-MATES  | 14                | 8,090  | 4.9  | 398 | 6                   | 8,918  | 416 |               |     |
|                | STATES- 35,41                      |    |                  |                   |        |      |     | OIFF.               | 828-   | 18- |               |     |
| 530546         | LANANDY COLONEL AMOS.....          |    |                  |                   |        |      |     |                     |        |     |               |     |
| 07-17-56       | 411684 974078                      | 10 | NON-AI DAUGHTERS | 17                | 9,655  | 4.9  | 473 |                     |        |     |               |     |
|                | LISTED, 08-63                      | 10 | WITH HERD-MATES  | 17                | 9,655  | 4.9  | 473 | 28                  | 8,932  | 445 |               |     |
|                | STATES- 16,73                      |    |                  |                   |        |      |     | OIFF.               | 723    | 28  |               |     |
| 530593         | HIGHLAND VIEW-S NOBLE C KING.....  |    |                  |                   |        |      |     |                     |        |     |               |     |
| 01-30-56       | 409032 1301100                     | 15 | NON-AI DAUGHTERS | 23                | 9,467  | 4.9  | 462 |                     |        |     |               |     |
|                | LISTED, 08-63                      | 15 | WITH HERD-MATES  | 23                | 9,467  | 4.9  | 462 | 11                  | 10,295 | 491 |               |     |
|                | STATES- 23                         |    |                  |                   |        |      |     | OIFF.               | 828-   | 29- |               |     |
| 530632         | FLYING HORSE HARMONY BARON.....    |    |                  |                   |        |      |     |                     |        |     |               |     |
| 07-14-56       | 467844 1524771                     | 8  | NON-AI DAUGHTERS | 13                | 10,266 | 4.7  | 483 |                     |        |     |               |     |
|                | LISTED, 08-63                      | 8  | WITH HERD-MATES  | 13                | 10,266 | 4.7  | 483 | 30                  | 8,615  | 383 |               |     |
|                | STATES- 74                         |    |                  |                   |        |      |     | OIFF.               | 1651   | 100 |               |     |
| 530685         | .....                              |    |                  |                   |        |      |     |                     |        |     |               |     |
|                |                                    | 5  | NON-AI DAUGHTERS | 7                 | 8,490  | 4.9  | 420 |                     |        |     |               |     |
| STATES- 51     |                                    | 5  | WITH HERD-MATES  | 7                 | 8,490  | 4.9  | 420 | 34                  | 7,850  | 380 |               |     |
|                |                                    |    |                  |                   |        |      |     | OIFF.               | 640    | 40  |               |     |
| 530736         | NORTHERN M. CLIENT.....            |    |                  |                   |        |      |     |                     |        |     |               |     |
| 12-20-56       | 464488 1561271                     | 29 | NON-AI DAUGHTERS | 33                | 9,752  | 5.2  | 505 |                     |        |     |               |     |
|                | LISTED, 03-64                      | 28 | WITH HERD-MATES  | 30                | 9,772  | 5.2  | 507 | 18                  | 10,460 | 518 |               |     |
|                | STATES- 31,64                      |    |                  |                   |        |      |     | OIFF.               | 688-   | 11- |               |     |
| 530749         | REXOEN FOREMAN-S INDICATOR.....    |    |                  |                   |        |      |     |                     |        |     |               |     |
| 07-14-55       | 468308 1320413                     | 20 | NON-AI DAUGHTERS | 35                | 7,591  | 4.3  | 327 |                     |        |     |               |     |
|                | LISTED, 11-63                      | 20 | WITH HERD-MATES  | 35                | 7,591  | 4.3  | 327 | 7                   | 8,759  | 396 |               |     |
|                | STATES- 13                         |    |                  |                   |        |      |     | OIFF.               | 1168-  | 69- |               |     |
| 530759         | GUERNSDEL MAXIM FREDERICK.....     |    |                  |                   |        |      |     |                     |        |     |               |     |
| 07-18-56       | 435793 997629                      | 38 | NON-AI DAUGHTERS | 54                | 9,161  | 4.7  | 433 |                     |        |     |               |     |
|                | LISTED, 03-64                      | 38 | WITH HERD-MATES  | 54                | 9,161  | 4.7  | 433 | 40                  | 8,245  | 407 |               |     |
|                | STATES- 55                         |    |                  |                   |        |      |     | OIFF.               | 916    | 26  |               |     |
| 530779         | .....                              |    |                  |                   |        |      |     |                     |        |     |               |     |
|                |                                    | 5  | NON-AI DAUGHTERS | 7                 | 8,012  | 5.0  | 397 |                     |        |     |               |     |
| STATES- 31     |                                    | 5  | WITH HERD-MATES  | 7                 | 8,012  | 5.0  | 397 | 18                  | 7,649  | 353 |               |     |
|                |                                    |    |                  |                   |        |      |     | OIFF.               | 363    | 44  |               |     |
| 530787         | DELWOOD AUTOCRAT CHRIS.....        |    |                  |                   |        |      |     |                     |        |     |               |     |
| 09-18-56       | 449589 1314857                     | 17 | NON-AI DAUGHTERS | 23                | 7,640  | 4.8  | 363 |                     |        |     |               |     |
|                | LISTED, 03-64                      | 17 | WITH HERD-MATES  | 23                | 7,640  | 4.8  | 363 | 10                  | 7,502  | 369 |               |     |
|                | STATES- 35                         |    |                  |                   |        |      |     | OIFF.               | 138    | 6-  |               |     |
| 530789         | .....                              |    |                  |                   |        |      |     |                     |        |     |               |     |
|                |                                    | 5  | NON-AI DAUGHTERS | 9                 | 8,184  | 4.4  | 362 |                     |        |     |               |     |
| STATES- 12     |                                    | 5  | WITH HERD-MATES  | 9                 | 8,184  | 4.4  | 362 | 9                   | 8,689  | 389 |               |     |
|                |                                    |    |                  |                   |        |      |     | OIFF.               | 505-   | 27- |               |     |
| 530813         | KING OF 8ERCADO.....               |    |                  |                   |        |      |     |                     |        |     |               |     |
| 01-31-56       | 443144 1499994                     | 16 | NON-AI DAUGHTERS | 20                | 7,275  | 5.0  | 362 |                     |        |     |               |     |
|                | LISTED, 08-63                      | 15 | WITH HERD-MATES  | 19                | 7,401  | 5.0  | 367 | 22                  | 8,766  | 400 |               |     |
|                | STATES- 32                         |    |                  |                   |        |      |     | OIFF.               | 1365-  | 33- |               |     |
| 530839         | MEADOW-WOOD MCO-S SONNY.....       |    |                  |                   |        |      |     |                     |        |     |               |     |
| 02-06-56       | 509308 1341631                     | 9  | NON-AI DAUGHTERS | 9                 | 8,002  | 4.7  | 373 |                     |        |     |               |     |
|                | STATES- 23,50                      | 9  | WITH HERD-MATES  | 9                 | 8,002  | 4.7  | 373 | 10                  | 8,605  | 419 |               |     |
|                |                                    |    |                  |                   |        |      |     | OIFF.               | 603-   | 46- |               |     |
| 530861         | CHARLESCOTE MONTEREY.....          |    |                  |                   |        |      |     |                     |        |     |               |     |
| 09-10-56       | 329184 1174982                     | 17 | NON-AI DAUGHTERS | 21                | 9,713  | 5.4  | 529 |                     |        |     |               |     |
|                | LISTED, 08-63                      | 17 | WITH HERD-MATES  | 21                | 9,713  | 5.4  | 529 | 17                  | 10,196 | 492 |               |     |
|                | STATES- 14                         |    |                  |                   |        |      |     | OIFF.               | 483-   | 37  |               |     |
| 530879         | CLEAR SPRINGS LEADER-S KNIGHT..... |    |                  |                   |        |      |     |                     |        |     |               |     |
| 09-02-56       | 396894 1262544                     | 10 | NON-AI DAUGHTERS | 11                | 8,400  | 4.8  | 402 |                     |        |     |               |     |
|                | STATES- 52,55,56,57,58             | 10 | WITH HERD-MATES  | 11                | 8,400  | 4.8  | 402 | 25                  | 8,461  | 396 |               |     |
|                |                                    |    |                  |                   |        |      |     | OIFF.               | 61-    | 6   |               |     |
| 530908         | BAYVILLE ROYAL ORSON.....          |    |                  |                   |        |      |     |                     |        |     |               |     |
| 10-10-56       | 449539 1476554                     | 22 | NON-AI DAUGHTERS | 33                | 9,490  | 4.9  | 466 |                     |        |     |               |     |
| AI STUO, 63-01 | LISTED, 05-64                      | 22 | WITH HERD-MATES  | 33                | 9,490  | 4.9  | 466 | 39                  | 9,217  | 451 |               |     |
|                | STATES- 52,63                      |    |                  |                   |        |      |     | OIFF.               | 273    | 15  |               |     |
| 530917         | ELMWOOD 8RENT.....                 |    |                  |                   |        |      |     |                     |        |     |               |     |
| 11-18-56       | 428643 1590190                     | 15 | NON-AI DAUGHTERS | 20                | 9,335  | 4.8  | 445 |                     |        |     |               |     |
|                | LISTED, 03-64                      | 15 | WITH HERD-MATES  | 20                | 9,335  | 4.8  | 445 | 5                   | 9,192  | 442 |               |     |
|                | STATES- 84                         |    |                  |                   |        |      |     | OIFF.               | 143    | 3   |               |     |
| 530966         | WALNUT LAWN FARMS RANGER.....      |    |                  |                   |        |      |     |                     |        |     |               |     |
| 01-09-57       | 507849 1462530                     | 20 | NON-AI DAUGHTERS | 27                | 8,514  | 5.0  | 427 |                     |        |     |               |     |
|                | LISTED, 03-64                      | 20 | WITH HERD-MATES  | 27                | 8,514  | 5.0  | 427 | 26                  | 8,487  | 401 |               |     |
|                | STATES- 23                         |    |                  |                   |        |      |     | OIFF.               | 27     | 26  |               |     |

| GUERNSEY       |                                     |         |     |                  | AV.<br>RECORDS<br>NUMBER | PRODUCTION OF<br>MILK<br>L8 | OF<br>TEST<br>% | DAU.<br>FAT<br>L8 | ADJ.<br>AV.<br>NUMBER | HERD-MATES<br>MILK<br>L8 | AV.<br>FAT<br>L8 | PREDICTED AV.<br>MILK<br>L8 | FAT<br>L8 |
|----------------|-------------------------------------|---------|-----|------------------|--------------------------|-----------------------------|-----------------|-------------------|-----------------------|--------------------------|------------------|-----------------------------|-----------|
| 530977         | LANGWATER KING OF SHEBA.....        |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| 02-10-56       | 424926                              | 906140  | 15  | NON-AI DAUGHTERS | 19                       | 9,031                       | 4.6             | 417               |                       |                          |                  |                             |           |
|                | LISTED, 11-63                       |         | 13  | WITH HERD-MATES  | 17                       | 8,919                       | 4.6             | 409               |                       |                          |                  |                             |           |
| STATES-        | 52,55,56,93                         |         |     |                  |                          |                             |                 |                   | 35                    | 7,965                    | 363              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | DIFF.                 | 954                      | 46               |                             |           |
| 530986         | PLEGRDSANT D. ANDEE.....            |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| 08-30-56       | 421539                              | 1243546 | 19  | NON-AI DAUGHTERS | 36                       | 8,966                       | 4.7             | 420               |                       |                          |                  |                             |           |
| STATES-        | 41                                  |         | 19  | WITH HERD-MATES  | 36                       | 8,966                       | 4.7             | 420               |                       |                          |                  |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | 14                    | 8,758                    | 399              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | OIFF.                 | 208                      | 21               |                             |           |
| 531010         | .....                               |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
|                |                                     |         | 5   | NDN-AI DAUGHTERS | 10                       | 11,197                      | 4.9             | 552               |                       |                          |                  |                             |           |
| STATES-        | 32                                  |         | 5   | WITH HERD-MATES  | 10                       | 11,197                      | 4.9             | 552               |                       |                          |                  |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | 30                    | 9,416                    | 482              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | OIFF.                 | 1781                     | 70               |                             |           |
| 531081         | U. DF M. G. GIANT.....              |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| 10-02-56       | 507524                              | 1446249 | 2   | AI DAUGHTERS-02  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| AI STUO, 41-01 | LISTED, 05-64                       |         | 2   | WITH HERD-MATES  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| STATES-        | 41                                  |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
|                |                                     |         | 14  | NON-AI DAUGHTERS | 27                       | 9,670                       | 4.8             | 463               |                       |                          |                  |                             |           |
|                |                                     |         | 14  | WITH HERD-MATES  | 27                       | 9,670                       | 4.8             | 463               |                       |                          |                  |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | 14                    | 9,485                    | 462              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | DIFF.                 | 185                      | 1                |                             |           |
| 531283         | MULHOCWAY BUTTERFAT PECCAOILLO..... |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| 08-28-56       | 431323                              | 1059368 | 134 | AI DAUGHTERS-25* | 199                      | 8,822                       | 4.9             | 433               |                       |                          |                  |                             |           |
| AI STUO, 23-05 | LISTED, 05-64                       |         | 132 | WITH HERD-MATES  | 194                      | 8,895                       | 4.9             | 437               |                       |                          |                  |                             |           |
| STATES-        | 14,22,23,31,57                      |         |     |                  |                          |                             |                 |                   | 14                    | 9,055                    | 433              | 8,504                       | 416       |
|                |                                     |         |     |                  |                          |                             |                 |                   | DIFF.                 | 160-                     | 4                |                             |           |
| 531284         | MULHDCAWAY BUTTERFAT ROSS.....      |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| 10-13-56       | 473982                              | 666596  | 8   | NON-AI DAUGHTERS | 14                       | 10,270                      | 5.1             | 520               |                       |                          |                  |                             |           |
| STATES-        | 22,23                               |         | 8   | WITH HERD-MATES  | 14                       | 10,270                      | 5.1             | 520               |                       |                          |                  |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | 39                    | 9,572                    | 462              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | DIFF.                 | 698                      | 58               |                             |           |
| 531313         | GOLDEN HARVEST C MONOGRAM.....      |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| 08-21-56       | 395480                              | 989520  | 14  | NON-AI DAUGHTERS | 19                       | 8,432                       | 4.7             | 398               |                       |                          |                  |                             |           |
|                | LISTED, 08-63                       |         | 13  | WITH HERD-MATES  | 18                       | 8,424                       | 4.7             | 394               |                       |                          |                  |                             |           |
| STATES-        | 31                                  |         |     |                  |                          |                             |                 |                   | 6                     | 9,896                    | 485              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | OIFF.                 | 1472-                    | 91-              |                             |           |
| 531315         | .....                               |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
|                |                                     |         | 5   | NON-AI DAUGHTERS | 7                        | 8,753                       | 5.2             | 458               |                       |                          |                  |                             |           |
| STATES-        | 23,51                               |         | 5   | WITH HERD-MATES  | 7                        | 8,753                       | 5.2             | 458               |                       |                          |                  |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | 16                    | 8,967                    | 432              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | OIFF.                 | 214-                     | 26               |                             |           |
| 531318         | MAR MAC NOBLE GERTIE-S MASTER.....  |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| 09-15-56       | 469052                              | 1023146 | 11  | NDN-AI DAUGHTERS | 15                       | 6,654                       | 4.4             | 294               |                       |                          |                  |                             |           |
|                | LISTED, 11-63                       |         | 11  | WITH HERD-MATES  | 15                       | 6,654                       | 4.4             | 294               |                       |                          |                  |                             |           |
| STATES-        | 56                                  |         |     |                  |                          |                             |                 |                   | 17                    | 7,554                    | 332              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | OIFF.                 | 900-                     | 38-              |                             |           |
| 531390         | HILOA-ROY BUTTERFAT 8EAU.....       |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| 10-13-56       | 329184                              | 1433340 | 16  | NON-AI DAUGHTERS | 22                       | 10,565                      | 5.0             | 529               |                       |                          |                  |                             |           |
|                | LISTED, 08-63                       |         | 16  | WITH HERD-MATES  | 22                       | 10,565                      | 5.0             | 529               |                       |                          |                  |                             |           |
| STATES-        | 22                                  |         |     |                  |                          |                             |                 |                   | 10                    | 11,129                   | 561              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | OIFF.                 | 564-                     | 32-              |                             |           |
| 531391         | HDDSIER HEART ROYAL.....            |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| 08-25-56       | 497766                              | 1580140 | 11  | NON-AI DAUGHTERS | 13                       | 10,435                      | 4.7             | 495               |                       |                          |                  |                             |           |
|                | LISTED, 11-63                       |         | 11  | WITH HERD-MATES  | 13                       | 10,435                      | 4.7             | 495               |                       |                          |                  |                             |           |
| STATES-        | 32,72                               |         |     |                  |                          |                             |                 |                   | 20                    | 9,462                    | 452              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | DIFF.                 | 973                      | 43               |                             |           |
| 531473         | .....                               |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
|                |                                     |         | 5   | NON-AI DAUGHTERS | 7                        | 10,666                      | 4.9             | 527               |                       |                          |                  |                             |           |
| STATES-        | 31,32                               |         | 5   | WITH HERD-MATES  | 7                        | 10,666                      | 4.9             | 527               |                       |                          |                  |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | 10                    | 10,009                   | 498              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | DIFF.                 | 657                      | 29               |                             |           |
| 531514         | WYNO SAINT-S REX.....               |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| 08-29-56       | 429156                              | 1275760 | 27  | AI DAUGHTERS-19  | 47                       | 8,774                       | 5.0             | 437               |                       |                          |                  |                             |           |
| AI STUO, 23-02 | LISTED, 05-64                       |         | 24  | WITH HERD-MATES  | 41                       | 8,695                       | 4.9             | 428               |                       |                          |                  |                             |           |
| STATES-        | 23                                  |         |     |                  |                          |                             |                 |                   | 12                    | 8,597                    | 409              | 8,673                       | 424       |
|                |                                     |         |     |                  |                          |                             |                 |                   | OIFF.                 | 98                       | 19               |                             |           |
| 531533         | JANDE BUTTERFAT NDBLE.....          |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| 08-25-56       | 504966                              | 968894  | 12  | NDN-AI DAUGHTERS | 21                       | 10,576                      | 5.1             | 542               |                       |                          |                  |                             |           |
|                | LISTED, 08-63                       |         | 12  | WITH HERD-MATES  | 18                       | 10,620                      | 5.2             | 549               |                       |                          |                  |                             |           |
| STATES-        | 31                                  |         |     |                  |                          |                             |                 |                   | 16                    | 10,495                   | 531              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | OIFF.                 | 125                      | 18               |                             |           |
| 531573         | .....                               |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
|                |                                     |         | 5   | NON-AI DAUGHTERS | 5                        | 11,890                      | 5.4             | 648               |                       |                          |                  |                             |           |
| STATES-        | 31                                  |         | 5   | WITH HERD-MATES  | 5                        | 11,890                      | 5.4             | 648               |                       |                          |                  |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | 3                     | 9,378                    | 441              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | DIFF.                 | 2512                     | 207              |                             |           |
| 531604         | .....                               |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
|                |                                     |         | 5   | NON-AI DAUGHTERS | 7                        | 8,692                       | 4.5             | 389               |                       |                          |                  |                             |           |
| STATES-        | 35,72                               |         | 5   | WITH HERD-MATES  | 7                        | 8,692                       | 4.5             | 389               |                       |                          |                  |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | 17                    | 8,007                    | 367              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | OIFF.                 | 685                      | 22               |                             |           |
| 531653         | FDREMOST FODTPRINT ROYAL.....       |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| 09-28-56       | 351131                              | 912446  | 16  | NON-AI DAUGHTERS | 26                       | 8,863                       | 4.6             | 410               |                       |                          |                  |                             |           |
| AI STUO, 43-02 | LISTED, 08-63                       |         | 16  | WITH HERD-MATES  | 26                       | 8,863                       | 4.6             | 410               |                       |                          |                  |                             |           |
| STATES-        | 35,43                               |         |     |                  |                          |                             |                 |                   | 24                    | 9,181                    | 426              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | OIFF.                 | 318-                     | 16-              |                             |           |
| 531669         | .....                               |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
|                |                                     |         | 6   | NON-AI DAUGHTERS | 6                        | 8,867                       | 4.7             | 415               |                       |                          |                  |                             |           |
| STATES-        | 23                                  |         | 6   | WITH HERD-MATES  | 6                        | 8,867                       | 4.7             | 415               |                       |                          |                  |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | 14                    | 9,719                    | 480              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | DIFF.                 | 852-                     | 65-              |                             |           |
| 531700         | DLO HOMESTEAD IMPRINT.....          |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
| 09-27-56       | 398391                              | 1380156 | 12  | AI DAUGHTERS-07  | 17                       | 7,985                       | 4.8             | 380               |                       |                          |                  |                             |           |
| AI STUO, 72-01 | LISTED, 05-64                       |         | 12  | WITH HERD-MATES  | 17                       | 7,985                       | 4.8             | 380               |                       |                          |                  |                             |           |
| STATES-        | 72                                  |         |     |                  |                          |                             |                 |                   | 48                    | 7,618                    | 353              | 8,743                       | 422       |
|                |                                     |         |     |                  |                          |                             |                 |                   | DIFF.                 | 367                      | 27               |                             |           |
| 531711         | .....                               |         |     |                  |                          |                             |                 |                   |                       |                          |                  |                             |           |
|                |                                     |         | 5   | NON-AI DAUGHTERS | 8                        | 7,736                       | 5.1             | 392               |                       |                          |                  |                             |           |
| STATES-        | 65                                  |         | 5   | WITH HERD-MATES  | 8                        | 7,736                       | 5.1             | 392               |                       |                          |                  |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | 19                    | 8,084                    | 375              |                             |           |
|                |                                     |         |     |                  |                          |                             |                 |                   | OIFF.                 | 348-                     | 17               |                             |           |



## SIRE OF OHIA DAUGHTERS

| GUERNSEY       |                                    |         |    | AV. RECORDS      | PRODUCTION OF |        |        | ADJ. AV. | HERO-MATES | AV.    | PREDICTED AV. |           |
|----------------|------------------------------------|---------|----|------------------|---------------|--------|--------|----------|------------|--------|---------------|-----------|
|                |                                    |         |    | NUMBER           | MILK LB       | TEST % | FAT LB | NUMBER   | MILK LB    | FAT LB | MILK LB       | FAT LB    |
| 531746         | HAMILTON COUNTY FREE MAC.....      |         |    |                  |               |        |        |          |            |        |               |           |
| 04-19-56       | 454421                             | 1261335 | 20 | NON-AI DAUGHTERS | 42            | 9,303  | 4.2    | 388      |            |        |               |           |
| STATES-        | 55,56,57,58                        |         | 20 | WITH HERD-MATES  | 42            | 9,303  | 4.2    | 388      | 59         | 9,221  | 406           |           |
|                |                                    |         |    |                  |               |        |        |          | DIFF.      | 82     | 18-           |           |
| 531806         | .....                              |         |    |                  |               |        |        |          |            |        |               |           |
|                |                                    |         | 5  | NON-AI DAUGHTERS | 5             | 8,000  | 4.6    | 369      |            |        |               |           |
| STATES-        | 22,23                              |         | 5  | WITH HERD-MATES  | 5             | 8,000  | 4.6    | 369      | 5          | 7,212  | 337           |           |
|                |                                    |         |    |                  |               |        |        |          | OIFF.      | 788    | 32            |           |
| 532003         | GOLDEN GRANGE P. V. PRINKY.....    |         |    |                  |               |        |        |          |            |        |               |           |
| 09-09-56       | 515499                             | 1268691 | 17 | NON-AI DAUGHTERS | 17            | 8,727  | 4.7    | 412      |            |        |               |           |
| STATES-        | 32                                 |         | 17 | WITH HERD-MATES  | 17            | 8,727  | 4.7    | 412      | 10         | 8,497  | 430           |           |
|                |                                    |         |    |                  |               |        |        |          | OIFF.      | 230    | 18-           |           |
| 532048         | BARBAODES BORDER KING.....         |         |    |                  |               |        |        |          |            |        |               |           |
| 02-21-57       | 515814                             | 1211561 | 8  | NON-AI DAUGHTERS | 9             | 8,652  | 5.1    | 437      |            |        |               |           |
|                | LISTED, 11-63                      |         | 8  | WITH HERD-MATES  | 9             | 8,652  | 5.1    | 437      | 18         | 9,223  | 434           |           |
| STATES-        | 51                                 |         |    |                  |               |        |        |          | DIFF.      | 571-   | 3             |           |
| 532082         | SALOMA WAY O. ROMAN-S LOCKS.....   |         |    |                  |               |        |        |          |            |        |               |           |
| 09-01-56       | 518726                             | 1552913 | 12 | NON-AI DAUGHTERS | 23            | 8,517  | 5.0    | 425      |            |        |               |           |
| STATES-        | 61                                 |         | 12 | WITH HERD-MATES  | 22            | 8,477  | 5.0    | 421      | 9          | 8,556  | 415           |           |
|                |                                    |         |    |                  |               |        |        |          | OIFF.      | 79-    | 6             |           |
| 532137         | GRAYCE FARMS VICEROY STERLING..... |         |    |                  |               |        |        |          |            |        |               |           |
| 01-19-57       | 424925                             | 1245489 | 18 | NON-AI DAUGHTERS | 26            | 8,636  | 4.6    | 398      |            |        |               |           |
| STATES-        | 23                                 |         | 18 | WITH HERD-MATES  | 26            | 8,636  | 4.6    | 398      | 25         | 9,565  | 450           |           |
|                |                                    |         |    |                  |               |        |        |          | OIFF.      | 929-   | 52-           |           |
| 532164         | .....                              |         |    |                  |               |        |        |          |            |        |               |           |
|                |                                    |         | 5  | NON-AI DAUGHTERS | 6             | 7,871  | 5.0    | 394      |            |        |               |           |
| STATES-        | 32                                 |         | 5  | WITH HERD-MATES  | 6             | 7,871  | 5.0    | 394      | 5          | 9,140  | 457           |           |
|                |                                    |         |    |                  |               |        |        |          | OIFF.      | 1269-  | 63-           |           |
| 532183         | POTTER CREEK BRIGHT SENATOR.....   |         |    |                  |               |        |        |          |            |        |               |           |
| 01-29-57       | 493849                             | 1624438 | 16 | NON-AI DAUGHTERS | 21            | 8,835  | 4.7    | 416      |            |        |               |           |
|                | LISTED, 03-64                      |         | 16 | WITH HERD-MATES  | 21            | 8,835  | 4.7    | 416      | 16         | 8,913  | 435           |           |
| STATES-        | 23                                 |         |    |                  |               |        |        |          | DIFF.      | 78-    | 19-           |           |
| 532198         | SPRING GARDEN NICKY.....           |         |    |                  |               |        |        |          |            |        |               |           |
| 10-02-56       | 516115                             | 1469121 | 19 | NON-AI DAUGHTERS | 20            | 9,213  | 4.9    | 449      |            |        |               |           |
|                | LISTED, 03-64                      |         | 19 | WITH HERD-MATES  | 20            | 9,213  | 4.9    | 449      | 11         | 9,517  | 475           |           |
| STATES-        | 51                                 |         |    |                  |               |        |        |          | DIFF.      | 304-   | 26-           |           |
| 532307         | .....                              |         |    |                  |               |        |        |          |            |        |               |           |
|                |                                    |         | 5  | NON-AI DAUGHTERS | 5             | 6,316  | 4.7    | 296      |            |        |               |           |
| STATES-        | 33                                 |         | 3  | WITH HERD-MATES  | 3             | 7,307  | 4.5    | 332      | 1          | 8,639  | 427           |           |
|                |                                    |         |    |                  |               |        |        |          | OIFF.      | 1332-  | 95-           |           |
| 532374         | MCDONALD FARMS JOLLY ZESTFUL.....  |         |    |                  |               |        |        |          |            |        |               |           |
| 11-06-56       | 439587                             | 988072  | 15 | NON-AI DAUGHTERS | 22            | 9,461  | 5.0    | 474      |            |        |               |           |
|                | LISTED, 08-63                      |         | 15 | WITH HERD-MATES  | 22            | 9,461  | 5.0    | 474      | 17         | 9,805  | 477           |           |
| STATES-        | 23,51                              |         |    |                  |               |        |        |          | OIFF.      | 344-   | 3-            |           |
| 532375         | MCDONALD FARMS RIVAL ZENITH.....   |         |    |                  |               |        |        |          |            |        |               |           |
| 11-09-56       | 493168                             | 1140945 | 31 | AI DAUGHTERS-16  | 50            | 8,627  | 4.8    | 413      |            |        |               |           |
| AI STUD, 33-02 | LISTED, 05-64                      |         | 31 | WITH HERD-MATES  | 49            | 8,649  | 4.8    | 414      | 10         | 8,889  | 420           | 8,456 407 |
| STATES-        | 33                                 |         |    |                  |               |        |        |          | OIFF.      | 240-   | 6-            |           |
| 532418         | LOCKSHORE WISTAR MONARCH.....      |         |    |                  |               |        |        |          |            |        |               |           |
| 08-04-56       | 470256                             | 1132817 | 18 | NON-AI DAUGHTERS | 22            | 6,568  | 4.7    | 310      |            |        |               |           |
|                | LISTED, 03-64                      |         | 18 | WITH HERD-MATES  | 22            | 6,568  | 4.7    | 310      | 10         | 7,579  | 367           |           |
| STATES-        | 34                                 |         |    |                  |               |        |        |          | DIFF.      | 1011-  | 57-           |           |
| 532450         | MEADOW CREEK-S SKY PILOT.....      |         |    |                  |               |        |        |          |            |        |               |           |
| 11-25-56       | 478309                             | 1346513 | 18 | NON-AI DAUGHTERS | 23            | 7,246  | 5.0    | 361      |            |        |               |           |
|                | LISTED, 08-63                      |         | 18 | WITH HERD-MATES  | 23            | 7,246  | 5.0    | 361      | 14         | 8,635  | 431           |           |
| STATES-        | 23                                 |         |    |                  |               |        |        |          | DIFF.      | 1389-  | 70-           |           |
| 532502         | GRUBER FARM HORNET.....            |         |    |                  |               |        |        |          |            |        |               |           |
| 07-19-56       | 440747                             | 1384366 | 71 | AI DAUGHTERS-25* | 112           | 8,902  | 4.8    | 424      |            |        |               |           |
| AI STUD, 23-05 | LISTED, 03-64                      |         | 68 | WITH HERD-MATES  | 104           | 8,886  | 4.7    | 422      | 12         | 8,799  | 419           | 8,699 414 |
| STATES-        | 23                                 |         |    |                  |               |        |        |          | DIFF.      | 87     | 3             |           |
|                |                                    |         | 1  | NON-AI DAUGHTERS | 1             | 7,990  | 4.2    | 334      |            |        |               |           |
|                |                                    |         | 1  | WITH HERD-MATES  | 1             | 7,990  | 4.2    | 334      | 8          | 8,837  | 408           |           |
|                |                                    |         |    |                  |               |        |        |          | OIFF.      | 847-   | 74-           |           |
| 532564         | KENMAX PASQUALE-S LOLLIPOP.....    |         |    |                  |               |        |        |          |            |        |               |           |
| 11-04-56       | 513875                             | 1495982 | 4  | AI DAUGHTERS-02  |               |        |        |          |            |        |               |           |
| AI STUD, 93-05 | LISTED, 05-64                      |         | 4  | WITH HERD-MATES  |               |        |        |          |            |        |               |           |
| STATES-        | 82                                 |         |    |                  |               |        |        |          |            |        |               |           |
|                |                                    |         | 1  | NON-AI DAUGHTERS | 1             | 6,490  | 5.1    | 328      |            |        |               |           |
|                |                                    |         | 1  | WITH HERD-MATES  | 1             | 6,490  | 5.1    | 328      | 2          | 9,440  | 406           |           |
|                |                                    |         |    |                  |               |        |        |          | OIFF.      | 2950-  | 78-           |           |
| 532573         | GRAND VIEW ROYAL-S BUTTERFAT.....  |         |    |                  |               |        |        |          |            |        |               |           |
| 11-06-56       | 503895                             | 1164195 | 10 | NON-AI DAUGHTERS | 12            | 9,172  | 5.2    | 474      |            |        |               |           |
|                | LISTED, 11-63                      |         | 10 | WITH HERD-MATES  | 12            | 9,172  | 5.2    | 474      | 31         | 9,380  | 455           |           |
| STATES-        | 55,56,63                           |         |    |                  |               |        |        |          | DIFF.      | 208-   | 19            |           |
| 532626         | GRAIN MEADOW B. KING.....          |         |    |                  |               |        |        |          |            |        |               |           |
| 12-23-56       | 481593                             | 1320098 | 21 | NON-AI DAUGHTERS | 26            | 9,384  | 5.2    | 490      |            |        |               |           |
| AI STUD, 43-02 | LISTED, 08-63                      |         | 21 | WITH HERD-MATES  | 25            | 9,319  | 5.2    | 487      | 6          | 8,991  | 449           |           |
| STATES-        | 32                                 |         |    |                  |               |        |        |          | DIFF.      | 328    | 38            |           |
| 532630         | CONVENT-S HERMES.....              |         |    |                  |               |        |        |          |            |        |               |           |
| 11-06-56       | 480358                             | 1026269 | 8  | NON-AI DAUGHTERS | 9             | 7,708  | 5.0    | 383      |            |        |               |           |
|                | LISTED, 11-63                      |         | 8  | WITH HERD-MATES  | 9             | 7,708  | 5.0    | 383      | 11         | 9,614  | 472           |           |
| STATES-        | 22                                 |         |    |                  |               |        |        |          | DIFF.      | 1906-  | 89-           |           |
| 532650         | ELMWOOD FARM-S ERIC.....           |         |    |                  |               |        |        |          |            |        |               |           |
| 10-28-56       | 464189                             | 1320421 | 9  | NON-AI DAUGHTERS | 16            | 8,827  | 5.1    | 449      |            |        |               |           |
|                | LISTED, 11-63                      |         | 9  | WITH HERD-MATES  | 16            | 8,827  | 5.1    | 449      | 12         | 9,156  | 439           |           |
| STATES-        | 52                                 |         |    |                  |               |        |        |          | DIFF.      | 329-   | 10            |           |

## SIREs OF DHIA DAUGHTERS

| GUERNSEY  |                |         |        |        | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |         |        |
|---|----------------|---------|--------|--------|------------------------|---------------------|---------------|---------|--------|
|   | RECORDS NUMBER | MILK L8 | TEST % | FAT L8 | NUMBER                 | MILK L8             | FAT LB        | MILK L8 | FAT L8 |
| 532665 SYCAMORE BUTTERFAT PLUTDCRAT.....        |                |         |        |        |                        |                     |               |         |        |
| 02-12-57 473982 1179714 53 AI DAUGHTERS-25*     | 85             | 8,040   | 4.9    | 397    |                        |                     |               |         |        |
| AI STUD, 51-01 LISTED, 08-63 53 WITH HERD-MATES | 83             | 8,071   | 4.9    | 398    | 16                     | 8,830               | 434           | 8,012   | 383    |
| STATES- 23,51,52,54,84                          |                |         |        |        | DIFF.                  | 759-                | 36-           |         |        |
| 1 NDN-AI DAUGHTERS                              | 1              | 4,220   | 5.6    | 237    |                        |                     |               |         |        |
| 1 WITH HERD-MATES                               | 1              | 4,220   | 5.6    | 237    | 15                     | 7,681               | 393           |         |        |
|   |                |         |        |        | DIFF.                  | 3461-               | 156-          |         |        |
| 532677 .....                                    |                |         |        |        |                        |                     |               |         |        |
| STATES- 35                                      | 5              | 9,453   | 4.4    | 416    |                        |                     |               |         |        |
| 5 WITH HERD-MATES                               | 6              | 9,453   | 4.4    | 416    | 28                     | 8,498               | 405           |         |        |
|   |                |         |        |        | DIFF.                  | 955                 | 11            |         |        |
| 532696 .....                                    |                |         |        |        |                        |                     |               |         |        |
| STATES- 22,23,33,52                             | 6              | 9,517   | 5.1    | 483    |                        |                     |               |         |        |
| 6 WITH HERD-MATES                               | 10             | 9,517   | 5.1    | 483    | 42                     | 9,807               | 488           |         |        |
|   |                |         |        |        | DIFF.                  | 290-                | 5-            |         |        |
| 532698 IDEAL-S TETDN.....                       |                |         |        |        |                        |                     |               |         |        |
| 12-01-55 250879 937019 36 NDN-AI DAUGHTERS      | 43             | 9,495   | 5.2    | 498    |                        |                     |               |         |        |
| LISTED, 03-64 36 WITH HERD-MATES                | 43             | 9,495   | 5.2    | 498    | 31                     | 10,524              | 525           |         |        |
| STATES- 11,16,21,22,23,31,33, 35,52             |                |         |        |        | DIFF.                  | 1029-               | 27-           |         |        |
| 532724 FAIRLAWN S. DAIRY LAD.....               |                |         |        |        |                        |                     |               |         |        |
| 11-09-56 515262 1464307 55 AI DAUGHTERS-25*     | 71             | 8,232   | 4.8    | 399    |                        |                     |               |         |        |
| AI STUD, 23-07 LISTED, 03-64 53 WITH HERD-MATES | 69             | 8,319   | 4.8    | 403    | 15                     | 8,759               | 427           | 8,265   | 393    |
| STATES- 23                                      |                |         |        |        | DIFF.                  | 440-                | 24-           |         |        |
| 532749 .....                                    |                |         |        |        |                        |                     |               |         |        |
| STATES- 51                                      | 5              | 9,299   | 4.9    | 453    |                        |                     |               |         |        |
| 5 WITH HERD-MATES                               | 8              | 9,299   | 4.9    | 453    | 8                      | 9,575               | 458           |         |        |
|   |                |         |        |        | DIFF.                  | 276-                | 5-            |         |        |
| 532839 SANDELL MANDR-S HEIR VICTDR.....         |                |         |        |        |                        |                     |               |         |        |
| 11-20-56 346065 1546989 8 NDN-AI DAUGHTERS      | 10             | 8,368   | 4.7    | 396    |                        |                     |               |         |        |
| LISTED, 05-64 8 WITH HERD-MATES                 | 10             | 8,368   | 4.7    | 396    | 15                     | 8,432               | 395           |         |        |
| STATES- 35                                      |                |         |        |        | DIFF.                  | 64-                 | 1             |         |        |
| 532844 IDEAL-S BETTY-S STANDBEST.....           |                |         |        |        |                        |                     |               |         |        |
| 12-29-55 411872 1487479 27 NDN-AI DAUGHTERS     | 36             | 7,567   | 4.7    | 352    |                        |                     |               |         |        |
| LISTED, 08-63 27 WITH HERD-MATES                | 36             | 7,567   | 4.7    | 352    | 14                     | 9,514               | 441           |         |        |
| STATES- 21                                      |                |         |        |        | DIFF.                  | 1947-               | 89-           |         |        |
| 532871 SHADY LAWN JDLLY PARAGDN.....            |                |         |        |        |                        |                     |               |         |        |
| 11-13-56 470604 1516752 8 NDN-AI DAUGHTERS      | 9              | 9,191   | 4.9    | 452    |                        |                     |               |         |        |
| STATES- 33 8 WITH HERD-MATES                    | 9              | 9,191   | 4.9    | 452    | 5                      | 8,773               | 409           |         |        |
|   |                |         |        |        | DIFF.                  | 418                 | 43            |         |        |
| 532941 HAR-LEN K. JDE.....                      |                |         |        |        |                        |                     |               |         |        |
| 12-10-56 493538 1222503 11 NDN-AI DAUGHTERS     | 13             | 8,269   | 4.8    | 393    |                        |                     |               |         |        |
| LISTED, 11-63 9 WITH HERD-MATES                 | 11             | 7,967   | 4.7    | 378    | 8                      | 8,738               | 427           |         |        |
| STATES- 23                                      |                |         |        |        | DIFF.                  | 771-                | 49-           |         |        |
| 532996 .....                                    |                |         |        |        |                        |                     |               |         |        |
| STATES- 13                                      | 5              | 7,753   | 4.4    | 338    |                        |                     |               |         |        |
| 5 WITH HERD-MATES                               | 6              | 7,753   | 4.4    | 338    | 4                      | 8,198               | 378           |         |        |
|   |                |         |        |        | DIFF.                  | 445-                | 40-           |         |        |
| 533041 CDULEE COUNTRY BUTTER 8DY.....           |                |         |        |        |                        |                     |               |         |        |
| 11-05-56 459489 1348513 14 NDN-AI DAUGHTERS     | 21             | 9,041   | 4.6    | 415    |                        |                     |               |         |        |
| LISTED, 03-64 14 WITH HERD-MATES                | 21             | 9,041   | 4.6    | 415    | 11                     | 9,661               | 459           |         |        |
| STATES- 35                                      |                |         |        |        | DIFF.                  | 620-                | 44-           |         |        |
| 533056 MEETINGHDUSE SUPER PREDICTION.....       |                |         |        |        |                        |                     |               |         |        |
| 02-19-57 503927 1368311 23 NON-AI DAUGHTERS     | 35             | 7,728   | 5.3    | 406    |                        |                     |               |         |        |
| LISTED, 08-63 22 WITH HERD-MATES                | 33             | 7,643   | 5.3    | 402    | 11                     | 7,731               | 398           |         |        |
| STATES- 51                                      |                |         |        |        | DIFF.                  | 88-                 | 4             |         |        |
| 533168 MCDONALD FARMS JDLLY AUGUST.....         |                |         |        |        |                        |                     |               |         |        |
| 01-01-57 439587 1227299 9 NON-AI DAUGHTERS      | 10             | 8,877   | 5.3    | 474    |                        |                     |               |         |        |
| LISTED, 11-63 9 WITH HERD-MATES                 | 10             | 8,877   | 5.3    | 474    | 5                      | 9,853               | 458           |         |        |
| STATES- 43                                      |                |         |        |        | DIFF.                  | 976-                | 16            |         |        |
| 533190 RAPAWAY REV MODERATOR.....               |                |         |        |        |                        |                     |               |         |        |
| 12-03-56 511597 1528510 12 NDN-AI DAUGHTERS     | 15             | 10,012  | 5.0    | 497    |                        |                     |               |         |        |
| LISTED, 11-63 12 WITH HERD-MATES                | 15             | 10,012  | 5.0    | 497    | 16                     | 10,791              | 512           |         |        |
| STATES- 91                                      |                |         |        |        | DIFF.                  | 779-                | 15-           |         |        |
| 533196 CDL8YS 8D8BY.....                        |                |         |        |        |                        |                     |               |         |        |
| 12-29-56 516451 1564425 22 NDN-AI DAUGHTERS     | 31             | 8,656   | 5.3    | 457    |                        |                     |               |         |        |
| LISTED, 08-63 22 WITH HERD-MATES                | 31             | 8,656   | 5.3    | 457    | 13                     | 8,998               | 448           |         |        |
| STATES- 32,33,34                                |                |         |        |        | DIFF.                  | 342-                | 9             |         |        |
| 533245 FORD-S LANDING BLAKEFAT.....             |                |         |        |        |                        |                     |               |         |        |
| 02-01-57 436604 1068116 15 AI DAUGHTERS-08      | 21             | 7,403   | 4.3    | 319    |                        |                     |               |         |        |
| AI STUD, 56-02 LISTED, 03-64 15 WITH HERD-MATES | 21             | 7,403   | 4.3    | 319    | 21                     | 7,540               | 333           | 8,475   | 399    |
| STATES- 56                                      |                |         |        |        | DIFF.                  | 137-                | 14-           |         |        |
| 533312 IDEAL-S LUMINARY.....                    |                |         |        |        |                        |                     |               |         |        |
| 02-27-56 452274 1329093 44 NDN-AI DAUGHTERS     | 75             | 10,934  | 5.0    | 542    |                        |                     |               |         |        |
| AI STUD, 11-01 LISTED, 05-64 44 WITH HERD-MATES | 75             | 10,934  | 5.0    | 542    | 23                     | 10,256              | 494           |         |        |
| STATES- 11                                      |                |         |        |        | DIFF.                  | 678                 | 48            |         |        |
| 533317 VALLEY DAKS PRISCILLA-S PRINCE.....      |                |         |        |        |                        |                     |               |         |        |
| 07-17-56 438330 1372611 22 NON-AI DAUGHTERS     | 29             | 7,329   | 4.8    | 355    |                        |                     |               |         |        |
| LISTED, 03-64 22 WITH HERD-MATES                | 29             | 7,329   | 4.8    | 355    | 30                     | 7,906               | 384           |         |        |
| STATES- 86,93                                   |                |         |        |        | DIFF.                  | 577-                | 29-           |         |        |
| 533320 HENSLEE FARMS V AMERICAN.....            |                |         |        |        |                        |                     |               |         |        |
| 01-29-57 512972 1170187 10 NON-AI DAUGHTERS     | 15             | 9,711   | 4.7    | 460    |                        |                     |               |         |        |
| LISTED, 08-63 10 WITH HERD-MATES                | 15             | 9,711   | 4.7    | 460    | 25                     | 9,084               | 435           |         |        |
| STATES- 16,33,35,61,65,74                       |                |         |        |        | DIFF.                  | 627                 | 25            |         |        |

## SIREN OF DHIA DAUGHTERS

| GUERNSEY       |                                    |         |                  | AV. RECORDS      | PRODUCTION | OF     | DAU. | ADJ. AV. | HERD-MATES | AV.    | PREDICTED AV. |       |
|----------------|------------------------------------|---------|------------------|------------------|------------|--------|------|----------|------------|--------|---------------|-------|
|                |                                    |         |                  | NUMBER           | MILK       | TEST   | FAT  | NUMBER   | MILK       | FAT    | MILK          | FAT   |
|                |                                    |         |                  |                  | LB         | %      | LB   |          | LB         | LB     | LB            | LB    |
| 533372         | .....                              |         |                  |                  |            |        |      |          |            |        |               |       |
| STATES-        | 21,23                              | 6       | NDN-AI DAUGHTERS | 6                | 9,098      | 5.0    | 459  |          |            |        |               |       |
|                |                                    | 6       | WITH HERD-MATES  | 6                | 9,098      | 5.0    | 459  | 21       | 9,796      | 482    |               |       |
|                |                                    |         |                  |                  |            |        |      | DIFF.    | 698-       | 23-    |               |       |
| 533396         | 8EN-HIL COMET-S ROYAL.....         |         |                  |                  |            |        |      |          |            |        |               |       |
| 01-29-57       | 509188                             | 1399388 | 12               | NDN-AI DAUGHTERS | 12         | 9,054  | 4.8  | 437      |            |        |               |       |
|                | LISTED, 03-64                      |         | 12               | WITH HERD-MATES  | 12         | 9,054  | 4.8  | 437      | 14         | 9,319  | 450           |       |
| STATES-        | 51                                 |         |                  |                  |            |        |      | DIFF.    | 265-       | 13-    |               |       |
| 533416         | LDDKDUT VALLEY RDSE KING.....      |         |                  |                  |            |        |      |          |            |        |               |       |
| 03-19-57       | 395480                             | 1480511 | 4                | AI DAUGHTERS-04  |            |        |      |          |            |        |               |       |
| AI STUD, 35-04 | LISTED, 03-64                      |         | 3                | WITH HERD-MATES  |            |        |      |          |            |        |               |       |
| STATES-        | 35                                 |         |                  |                  |            |        |      |          |            |        |               |       |
|                |                                    | 20      | NDN-AI DAUGHTERS | 24               | 8,946      | 4.9    | 438  |          |            |        |               |       |
|                |                                    | 20      | WITH HERD-MATES  | 24               | 8,946      | 4.9    | 438  | 13       | 9,261      | 471    |               |       |
|                |                                    |         |                  |                  |            |        |      | DIFF.    | 315-       | 33-    |               |       |
| 533454         | LUSHACRES HERMES- HAPPY FELLA..... |         |                  |                  |            |        |      |          |            |        |               |       |
| 06-13-56       | 415425                             | 944040  | 35               | NDN-AI DAUGHTERS | 53         | 10,806 | 4.7  | 504      |            |        |               |       |
| AI STUD, 41-25 | LISTED, 03-64                      |         | 35               | WITH HERD-MATES  | 53         | 10,806 | 4.7  | 504      | 35         | 9,552  | 433           |       |
| STATES-        | 32,35,43,47,48,56,73,84            |         |                  |                  |            |        |      | DIFF.    | 1254       | 71     |               |       |
| 533468         | .....                              |         |                  |                  |            |        |      |          |            |        |               |       |
| STATES-        | 23                                 | 6       | NDN-AI DAUGHTERS | 6                | 9,162      | 4.2    | 387  |          |            |        |               |       |
|                |                                    | 5       | WITH HERD-MATES  | 5                | 8,816      | 4.2    | 372  | 2        | 7,508      | 351    |               |       |
|                |                                    |         |                  |                  |            |        |      | DIFF.    | 1308       | 21     |               |       |
| 533469         | SDNNY ACRES P. BANDMASTER.....     |         |                  |                  |            |        |      |          |            |        |               |       |
| 01-21-57       | 518200                             | 1640025 | 9                | NDN-AI DAUGHTERS | 12         | 9,716  | 5.2  | 507      |            |        |               |       |
|                | LISTED, 08-63                      |         | 9                | WITH HERD-MATES  | 12         | 9,716  | 5.2  | 507      | 10         | 9,577  | 518           |       |
| STATES-        | 32                                 |         |                  |                  |            |        |      | DIFF.    | 139        | 11-    |               |       |
| 533470         | NDRMANDY IMPERIALIST.....          |         |                  |                  |            |        |      |          |            |        |               |       |
| 06-05-56       | 453207                             | 1416387 | 28               | AI DAUGHTERS-17  | 36         | 9,917  | 4.7  | 469      |            |        |               |       |
| AI STUD, 41-25 | LISTED, 05-64                      |         | 25               | WITH HERD-MATES  | 32         | 10,096 | 4.8  | 480      | 8          | 9,176  | 451           | 9,264 |
| STATES-        | 43,47,73                           |         |                  |                  |            |        |      | DIFF.    | 920        | 29     |               | 433   |
| 533539         | .....                              |         |                  |                  |            |        |      |          |            |        |               |       |
| STATES-        | 32                                 | 9       | NDN-AI DAUGHTERS | 11               | 8,952      | 5.1    | 454  |          |            |        |               |       |
|                |                                    | 9       | WITH HERD-MATES  | 11               | 8,952      | 5.1    | 454  | 11       | 9,964      | 492    |               |       |
|                |                                    |         |                  |                  |            |        |      | DIFF.    | 1012-      | 38-    |               |       |
| 533548         | ETTA-S GLENVIEW CHERDKEE.....      |         |                  |                  |            |        |      |          |            |        |               |       |
| 08-19-56       | 436380                             | 1479056 | 22               | NDN-AI DAUGHTERS | 30         | 7,863  | 4.3  | 340      |            |        |               |       |
|                | LISTED, 11-63                      |         | 22               | WITH HERD-MATES  | 30         | 7,863  | 4.3  | 340      | 7          | 7,520  | 335           |       |
| STATES-        | 64                                 |         |                  |                  |            |        |      | DIFF.    | 343        | 5      |               |       |
| 533675         | MEADHW8RDDK-S F.H. ROYAL.....      |         |                  |                  |            |        |      |          |            |        |               |       |
| 10-07-56       | 437340                             | 1589424 | 8                | NDN-AI DAUGHTERS | 12         | 7,832  | 5.3  | 412      |            |        |               |       |
|                | LISTED, 11-63                      |         | 8                | WITH HERD-MATES  | 12         | 7,832  | 5.3  | 412      | 14         | 8,062  | 386           |       |
| STATES-        | 33                                 |         |                  |                  |            |        |      | DIFF.    | 230-       | 26     |               |       |
| 533732         | .....                              |         |                  |                  |            |        |      |          |            |        |               |       |
| STATES-        | 13,16,23                           | 5       | NDN-AI DAUGHTERS | 6                | 7,665      | 5.1    | 391  |          |            |        |               |       |
|                |                                    | 3       | WITH HERD-MATES  | 4                | 7,282      | 5.1    | 368  | 7        | 9,081      | 440    |               |       |
|                |                                    |         |                  |                  |            |        |      | DIFF.    | 1799-      | 72-    |               |       |
| 533739         | HDMINY HILL VICTORY.....           |         |                  |                  |            |        |      |          |            |        |               |       |
| 02-09-57       | 422711                             | 1109721 | 28               | NDN-AI DAUGHTERS | 34         | 10,859 | 4.9  | 529      |            |        |               |       |
|                | LISTED, 03-64                      |         | 28               | WITH HERD-MATES  | 34         | 10,859 | 4.9  | 529      | 69         | 11,853 | 580           |       |
| STATES-        | 93                                 |         |                  |                  |            |        |      | DIFF.    | 994-       | 51-    |               |       |
| 533741         | HDMINY HILL ROYCE.....             |         |                  |                  |            |        |      |          |            |        |               |       |
| 04-08-57       | 520879                             | 1011145 | 10               | NDN-AI DAUGHTERS | 12         | 8,211  | 5.0  | 413      |            |        |               |       |
|                | LISTED, 08-63                      |         | 10               | WITH HERD-MATES  | 12         | 8,211  | 5.0  | 413      | 39         | 8,505  | 426           |       |
| STATES-        | 93                                 |         |                  |                  |            |        |      | DIFF.    | 294-       | 13-    |               |       |
| 533768         | .....                              |         |                  |                  |            |        |      |          |            |        |               |       |
| STATES-        | 31                                 | 5       | NDN-AI DAUGHTERS | 7                | 7,752      | 5.2    | 404  |          |            |        |               |       |
|                |                                    | 5       | WITH HERD-MATES  | 7                | 7,752      | 5.2    | 404  | 8        | 8,590      | 427    |               |       |
|                |                                    |         |                  |                  |            |        |      | DIFF.    | 838-       | 23-    |               |       |
| 533769         | NDRGERT-S ROYAL NANCE.....         |         |                  |                  |            |        |      |          |            |        |               |       |
| 01-13-57       | 473218                             | 1427010 | 31               | NDN-AI DAUGHTERS | 55         | 12,491 | 4.9  | 614      |            |        |               |       |
| AI STUD, 33-03 | LISTED, 05-64                      |         | 31               | WITH HERD-MATES  | 55         | 12,491 | 4.9  | 614      | 30         | 11,512 | 580           |       |
| STATES-        | 33,42,61                           |         |                  |                  |            |        |      | DIFF.    | 979        | 34     |               |       |
| 533773         | NDRGERT-S ROYAL SDLITAIRE.....     |         |                  |                  |            |        |      |          |            |        |               |       |
| 04-23-57       | 473218                             | 1169469 | 33               | AI DAUGHTERS-14  | 45         | 9,418  | 4.6  | 433      |            |        |               |       |
| AI STUD, 33-02 | LISTED, 05-64                      |         | 32               | WITH HERD-MATES  | 44         | 9,493  | 4.6  | 437      | 9          | 9,143  | 431           | 8,899 |
| STATES-        | 33,63                              |         |                  |                  |            |        |      | DIFF.    | 350        | 6      |               | 417   |
| 533774         | NDRGERT-S ROYAL PAULSDN.....       |         |                  |                  |            |        |      |          |            |        |               |       |
| 05-10-57       | 473218                             | 1022397 | 21               | AI DAUGHTERS-18  | 22         | 9,870  | 4.4  | 438      |            |        |               |       |
| AI STUD, 33-03 | LISTED, 05-64                      |         | 20               | WITH HERD-MATES  | 21         | 9,923  | 4.5  | 443      | 15         | 9,208  | 441           | 9,090 |
| STATES-        | 21,23,31,32,33,35,42,63,82         |         |                  |                  |            |        |      | DIFF.    | 715        | 2      |               | 414   |
|                |                                    | 2       | NDN-AI DAUGHTERS | 4                | 8,973      | 4.3    | 386  |          |            |        |               |       |
|                |                                    | 2       | WITH HERD-MATES  | 4                | 8,973      | 4.3    | 386  | 21       | 9,161      | 431    |               |       |
|                |                                    |         |                  |                  |            |        |      | DIFF.    | 188-       | 45-    |               |       |
| 533790         | MACALU FASHIDN.....                |         |                  |                  |            |        |      |          |            |        |               |       |
| 02-20-57       | 503356                             | 842973  | 8                | NDN-AI DAUGHTERS | 11         | 10,218 | 4.7  | 479      |            |        |               |       |
|                | LISTED, 11-63                      |         | 8                | WITH HERD-MATES  | 11         | 10,218 | 4.7  | 479      | 15         | 9,675  | 451           |       |
| STATES-        | 31                                 |         |                  |                  |            |        |      | DIFF.    | 543        | 28     |               |       |
| 533818         | .....                              |         |                  |                  |            |        |      |          |            |        |               |       |
| STATES-        | 32                                 | 10      | NDN-AI DAUGHTERS | 12               | 8,639      | 4.5    | 393  |          |            |        |               |       |
|                |                                    | 9       | WITH HERD-MATES  | 11               | 8,807      | 4.6    | 405  | 27       | 8,540      | 405    |               |       |
|                |                                    |         |                  |                  |            |        |      | DIFF.    | 267        |        |               |       |
| 533854         | IDACREST 8. PHILLI8USTER.....      |         |                  |                  |            |        |      |          |            |        |               |       |
| 01-22-56       | 496783                             | 1371888 | 10               | NDN-AI DAUGHTERS | 13         | 9,832  | 5.1  | 499      |            |        |               |       |
|                | LISTED, 11-63                      |         | 10               | WITH HERD-MATES  | 13         | 9,832  | 5.1  | 499      | 19         | 10,348 | 503           |       |
| STATES-        | 82                                 |         |                  |                  |            |        |      | DIFF.    | 516-       | 4-     |               |       |



## SIRE OF OHIA DAUGHTERS

| GUERNSEY                                | AV. PRODUCTION OF    |      |        |     | ADJ. HERO-MATES |       |        | PREOICTED AV. |           |
|---|----------------------|------|--------|-----|-----------------|-------|--------|---------------|-----------|
|   | RECORDS              | MILK | TEST   | FAT | AV.             | MILK  | FAT    | MILK          | FAT       |
|   | NUMBER               | L8   | %      | L8  | NUMBER          | L8    | L8     | L8            | L8        |
| 533976 .....                            |                      |      |        |     |                 |       |        |               |           |
| STATES- 43                              | 12 NON-AI DAUGHTERS  | 15   | 11,385 | 4.6 | 525             |       |        |               |           |
|   | 11 WITH HERO-MATES   | 13   | 11,331 | 4.6 | 521             | 10    | 9,593  | 444           |           |
|   |                      |      |        |     |                 | OIFF. | 1738   | 77            |           |
| 534031 .....                            |                      |      |        |     |                 |       |        |               |           |
| STATES- 31                              | 5 NON-AI DAUGHTERS   | 6    | 9,895  | 4.5 | 449             |       |        |               |           |
|   | 5 WITH HERO-MATES    | 6    | 9,895  | 4.5 | 449             | 6     | 10,695 | 488           |           |
|   |                      |      |        |     |                 | OIFF. | 800-   | 39-           |           |
| 534178 .....                            |                      |      |        |     |                 |       |        |               |           |
| STATES- 91,92                           | 5 NON-AI DAUGHTERS   | 5    | 7,984  | 5.7 | 456             |       |        |               |           |
|   | 5 WITH HERO-MATES    | 5    | 7,984  | 5.7 | 456             | 7     | 8,283  | 444           |           |
|   |                      |      |        |     |                 | OIFF. | 299-   | 12            |           |
| 534225 .....                            |                      |      |        |     |                 |       |        |               |           |
| STATES- 32                              | 5 NON-AI DAUGHTERS   | 7    | 8,864  | 4.9 | 433             |       |        |               |           |
|   | 5 WITH HERO-MATES    | 7    | 8,864  | 4.9 | 433             | 8     | 8,913  | 451           |           |
|   |                      |      |        |     |                 | OIFF. | 49-    | 18-           |           |
| 534253 EOROBLIN PHIL-S NOBLE.....       |                      |      |        |     |                 |       |        |               |           |
| 12-27-56 503159 1450708                 | 30 NON-AI DAUGHTERS  | 40   | 9,078  | 4.9 | 447             |       |        |               |           |
| LISTED, 08-63                           | 30 WITH HERO-MATES   | 40   | 9,078  | 4.9 | 447             | 8     | 9,050  | 427           |           |
| STATES- 32                              |                      |      |        |     |                 | OIFF. | 28     | 20            |           |
| 534292 WILLOALE ROYAL JUOGE.....        |                      |      |        |     |                 |       |        |               |           |
| 03-22-57 503632 1488390                 | 9 NON-AI DAUGHTERS   | 10   | 8,569  | 4.7 | 401             |       |        |               |           |
| LISTED, 03-64                           | 9 WITH HERO-MATES    | 10   | 8,569  | 4.7 | 401             | 47    | 8,095  | 401           |           |
| STATES- 33,82                           |                      |      |        |     |                 | OIFF. | 474    |               |           |
| 534326 GREYSTONE KING THEO.....         |                      |      |        |     |                 |       |        |               |           |
| 01-13-57 497410 1677745                 | 5 NON-AI DAUGHTERS   | 9    | 10,021 | 5.1 | 510             |       |        |               |           |
| AI STUO, 35-04 LISTED, 05-64            | 5 WITH HERO-MATES    | 8    | 9,921  | 5.1 | 504             | 27    | 9,419  | 449           |           |
| STATES- 14,21,23,63                     |                      |      |        |     |                 | OIFF. | 502    | 55            |           |
| 534356 .....                            |                      |      |        |     |                 |       |        |               |           |
| STATES- 32                              | 6 NON-AI DAUGHTERS   | 8    | 8,315  | 4.7 | 388             |       |        |               |           |
|   | 6 WITH HERO-MATES    | 8    | 8,315  | 4.7 | 388             | 33    | 8,758  | 429           |           |
|   |                      |      |        |     |                 | OIFF. | 443-   | 41-           |           |
| 534372 .....                            |                      |      |        |     |                 |       |        |               |           |
| STATES- 16                              | 5 NON-AI DAUGHTERS   | 7    | 6,907  | 4.4 | 302             |       |        |               |           |
|   | 5 WITH HERO-MATES    | 7    | 6,907  | 4.4 | 302             | 11    | 9,220  | 427           |           |
|   |                      |      |        |     |                 | OIFF. | 2313-  | 125-          |           |
| 534445 STEAOFST OF MAPLE GROVE.....     |                      |      |        |     |                 |       |        |               |           |
| 05-28-57 491056 1337444                 | 12 NON-AI DAUGHTERS  | 16   | 7,313  | 4.7 | 346             |       |        |               |           |
| LISTED, 08-63                           | 11 WITH HERO-MATES   | 15   | 7,317  | 4.7 | 347             | 4     | 8,199  | 377           |           |
| STATES- 35                              |                      |      |        |     |                 | OIFF. | 882-   | 30-           |           |
| 534534 SUNNYMOE ACTOR-S GENERAL.....    |                      |      |        |     |                 |       |        |               |           |
| 02-09-57 476002 1420248                 | 27 NON-AI DAUGHTERS  | 40   | 7,914  | 5.2 | 409             |       |        |               |           |
| LISTED, 11-63                           | 27 WITH HERO-MATES   | 40   | 7,914  | 5.2 | 409             | 8     | 7,346  | 367           |           |
| STATES- 43                              |                      |      |        |     |                 | OIFF. | 568    | 42            |           |
| 534550 FRANCHESTER K.H. JOLLY.....      |                      |      |        |     |                 |       |        |               |           |
| 05-01-57 470024 989605                  | 13 NON-AI DAUGHTERS  | 15   | 8,843  | 5.1 | 448             |       |        |               |           |
| LISTED, 03-64                           | 12 WITH HERO-MATES   | 14   | 8,212  | 5.4 | 440             | 32    | 9,139  | 446           |           |
| STATES- 31                              |                      |      |        |     |                 | OIFF. | 927-   | 6-            |           |
| 534567 .....                            |                      |      |        |     |                 |       |        |               |           |
| STATES- 47                              | 7 NON-AI DAUGHTERS   | 9    | 9,502  | 4.5 | 431             |       |        |               |           |
|   | 7 WITH HERO-MATES    | 9    | 9,502  | 4.5 | 431             | 17    | 8,717  | 423           |           |
|   |                      |      |        |     |                 | OIFF. | 785    | 8             |           |
| 534575 KLONOIKE IOEAL-S JAFFRAY.....    |                      |      |        |     |                 |       |        |               |           |
| 04-04-57 489652 838487                  | 9 NON-AI DAUGHTERS   | 13   | 8,276  | 4.7 | 386             |       |        |               |           |
| LISTED, 11-63                           | 9 WITH HERO-MATES    | 13   | 8,276  | 4.7 | 386             | 22    | 9,271  | 446           |           |
| STATES- 56                              |                      |      |        |     |                 | OIFF. | 995-   | 60-           |           |
| 534595 SIEBWAY IOEAL C. MIKE.....       |                      |      |        |     |                 |       |        |               |           |
| 04-22-56 445907 1582153                 | 8 NON-AI DAUGHTERS   | 10   | 8,110  | 3.8 | 307             |       |        |               |           |
| STATES- 33                              | 7 WITH HERO-MATES    | 9    | 8,271  | 3.7 | 309             | 4     | 8,602  | 380           |           |
|   |                      |      |        |     |                 | OIFF. | 331-   | 71-           |           |
| 534614 DEERPATH MAX-S GOLOMINE.....     |                      |      |        |     |                 |       |        |               |           |
| 01-07-57 440652 1038767                 | 12 NON-AI DAUGHTERS  | 17   | 8,476  | 4.5 | 380             |       |        |               |           |
| LISTED, 03-64                           | 12 WITH HERO-MATES   | 17   | 8,476  | 4.5 | 380             | 33    | 9,072  | 431           |           |
| STATES- 52,55,56,63                     |                      |      |        |     |                 | OIFF. | 596-   | 51-           |           |
| 534648 BOURNEOALE MICHAEL O.....        |                      |      |        |     |                 |       |        |               |           |
| 01-02-57 513382 801532                  | 8 NON-AI DAUGHTERS   | 9    | 6,209  | 5.0 | 311             |       |        |               |           |
| LISTED, 03-64                           | 8 WITH HERO-MATES    | 9    | 6,209  | 5.0 | 311             | 4     | 8,841  | 450           |           |
| STATES- 21                              |                      |      |        |     |                 | OIFF. | 2632-  | 139-          |           |
| 534666 COLBYS EMINENT.....              |                      |      |        |     |                 |       |        |               |           |
| 02-09-57 455722 1194901                 | 129 AI DAUGHTERS-25* | 176  | 8,790  | 4.7 | 414             |       |        |               |           |
| AI STUO, 41-01 LISTED, 05-64            | 126 WITH HERO-MATES  | 173  | 8,766  | 4.7 | 414             | 12    | 8,668  | 424           | 8,704 403 |
| STATES- 23,34,41,42,45,46               |                      |      |        |     |                 | OIFF. | 98     | 10-           |           |
| 534692 MCOONALO FARMS MISTER A8NER..... |                      |      |        |     |                 |       |        |               |           |
| 02-26-57 488786 1609525                 | 14 NON-AI DAUGHTERS  | 14   | 9,004  | 4.9 | 442             |       |        |               |           |
| LISTED, 03-64                           | 14 WITH HERO-MATES   | 14   | 9,004  | 4.9 | 442             | 8     | 9,488  | 426           |           |
| STATES- 31                              |                      |      |        |     |                 | OIFF. | 484-   | 16            |           |
| 534696 MCOONALO FARMS JOLLY ACME.....   |                      |      |        |     |                 |       |        |               |           |
| 04-27-57 439587 1704185                 | 10 NON-AI DAUGHTERS  | 11   | 7,757  | 5.2 | 404             |       |        |               |           |
| LISTED, 03-64                           | 10 WITH HERO-MATES   | 11   | 7,757  | 5.2 | 404             | 38    | 7,741  | 383           |           |
| STATES- 52,57                           |                      |      |        |     |                 | OIFF. | 16     | 21            |           |
| 534741 YELLOW CREEK 8FT. GYPSY 80Y..... |                      |      |        |     |                 |       |        |               |           |
| 12-20-56 475595 1343872                 | 23 NON-AI DAUGHTERS  | 31   | 9,947  | 5.2 | 517             |       |        |               |           |
| LISTED, 08-63                           | 23 WITH HERO-MATES   | 31   | 9,947  | 5.2 | 517             | 23    | 10,440 | 532           |           |
| STATES- 32,33,34,35,56                  |                      |      |        |     |                 | OIFF. | 493-   | 15-           |           |

## SIREs OF DHIA DAUGHTERS

| GUERNSEY                  |                                    |    |                  | AV. PRODUCTION | DF     | DAU. | ADJ. HERD-MATES | AV.    | PREDICTED | AV. |
|---------------------------|------------------------------------|----|------------------|----------------|--------|------|-----------------|--------|-----------|-----|
|                           |                                    |    |                  | RECD RDS       | MILK   | TEST | AV.             | MILK   | MILK      | FAT |
|                           |                                    |    |                  | NUMBER         | L8     | %    | L8              | NUMBER | L8        | L8  |
| 534744                    | YELLOW CREEK S MAJESTY.....        |    |                  |                |        |      |                 |        |           |     |
| 02-26-57                  | 475595 1284172                     | 9  | AI DAUGHTERS-07  | 12             | 7,208  | 5.0  | 360             |        |           |     |
| AI STUD, 61-01            | LISTED, 05-64                      | 9  | WITH HERD-MATES  | 12             | 7,208  | 5.0  | 360             | 9      | 8,026     | 392 |
| STATES- 61                |                                    |    |                  |                |        |      |                 | DIFF.  | 818-      | 32- |
| 534746                    | YELLOW CREEK 8FT. DDN LEE.....     |    |                  |                |        |      |                 |        |           |     |
| 04-20-57                  | 478507 1260591                     | 40 | AI DAUGHTERS-24  | 51             | 9,036  | 4.8  | 438             |        |           |     |
| AI STUD, 31-02            | LISTED, 05-64                      | 40 | WITH HERD-MATES  | 51             | 9,036  | 4.8  | 438             | 31     | 9,084     | 434 |
| STATES- 23,31,32,55,56,64 |                                    |    |                  |                |        |      |                 | DIFF.  | 48-       | 4   |
| 534761                    | MULBERRY HILL RDSE EMINENT.....    |    |                  |                |        |      |                 |        |           |     |
| 07-29-57                  | 504225 1556801                     | 15 | NDN-AI DAUGHTERS | 16             | 9,422  | 4.8  | 456             |        |           |     |
|                           | LISTED, 11-63                      | 15 | WITH HERD-MATES  | 16             | 9,422  | 4.8  | 456             | 12     | 8,494     | 396 |
| STATES- 51                |                                    |    |                  |                |        |      |                 | DIFF.  | 928       | 60  |
| 534828                    | BRAE 8DNNE LEVITY LEADER.....      |    |                  |                |        |      |                 |        |           |     |
| 08-19-55                  | 407844 1200392                     | 19 | NDN-AI DAUGHTERS | 25             | 6,405  | 5.2  | 330             |        |           |     |
|                           | LISTED, 08-63                      | 19 | WITH HERD-MATES  | 25             | 6,405  | 5.2  | 330             | 10     | 7,502     | 362 |
| STATES- 31                |                                    |    |                  |                |        |      |                 | DIFF.  | 1097-     | 32- |
| 534848                    | .....                              |    |                  |                |        |      |                 |        |           |     |
|                           |                                    | 5  | NDN-AI DAUGHTERS | 6              | 7,611  | 5.1  | 388             |        |           |     |
| STATES- 32,82             |                                    | 5  | WITH HERD-MATES  | 6              | 7,611  | 5.1  | 388             | 12     | 9,175     | 456 |
|                           |                                    |    |                  |                |        |      |                 | DIFF.  | 1564-     | 68- |
| 534849                    | .....                              |    |                  |                |        |      |                 |        |           |     |
|                           |                                    | 9  | NDN-AI DAUGHTERS | 10             | 8,217  | 4.7  | 390             |        |           |     |
| STATES- 31                |                                    | 5  | WITH HERD-MATES  | 5              | 8,816  | 4.5  | 401             | 5      | 9,307     | 457 |
|                           |                                    |    |                  |                |        |      |                 | DIFF.  | 491-      | 56- |
| 534854                    | GOLDEN HARVEST C CHAMPION.....     |    |                  |                |        |      |                 |        |           |     |
| 03-20-57                  | 395480 1538306                     | 11 | NDN-AI DAUGHTERS | 14             | 8,329  | 5.1  | 423             |        |           |     |
| AI STUD, 23-04            | LISTED, 11-63                      | 11 | WITH HERD-MATES  | 14             | 8,329  | 5.1  | 423             | 30     | 7,809     | 386 |
| STATES- 22,23,33          |                                    |    |                  |                |        |      |                 | DIFF.  | 520       | 37  |
| 534954                    | NDRGERT-S BEA ALEXIS.....          |    |                  |                |        |      |                 |        |           |     |
| 04-19-57                  | 498183 1212301                     | 16 | NDN-AI DAUGHTERS | 18             | 10,609 | 5.0  | 534             |        |           |     |
|                           | LISTED, 03-64                      | 16 | WITH HERD-MATES  | 18             | 10,609 | 5.0  | 534             | 34     | 11,110    | 539 |
| STATES- 33,35,42          |                                    |    |                  |                |        |      |                 | DIFF.  | 501-      | 5-  |
| 534968                    | .....                              |    |                  |                |        |      |                 |        |           |     |
|                           |                                    | 5  | NDN-AI DAUGHTERS | 5              | 7,386  | 5.1  | 379             |        |           |     |
| STATES- 86                |                                    | 5  | WITH HERD-MATES  | 5              | 7,386  | 5.1  | 379             | 25     | 7,560     | 350 |
|                           |                                    |    |                  |                |        |      |                 | DIFF.  | 174-      | 29  |
| 534976                    | GOLDEN GRANGE IDEAL VANGELINE..... |    |                  |                |        |      |                 |        |           |     |
| 08-20-55                  | 424343 1103034                     | 16 | AI DAUGHTERS-13  | 27             | 9,648  | 4.8  | 463             |        |           |     |
| AI STUD, 31-01            | LISTED, 05-64                      | 16 | WITH HERD-MATES  | 27             | 9,648  | 4.8  | 463             | 20     | 9,098     | 434 |
| STATES- 23,31,32,34,58,74 |                                    |    |                  |                |        |      |                 | DIFF.  | 550       | 29  |
|                           |                                    | 3  | NDN-AI DAUGHTERS | 8              | 10,163 | 4.5  | 454             |        |           |     |
|                           |                                    | 3  | WITH HERD-MATES  | 8              | 10,163 | 4.5  | 454             | 8      | 9,016     | 418 |
|                           |                                    |    |                  |                |        |      |                 | DIFF.  | 1147      | 36  |
| 534978                    | .....                              |    |                  |                |        |      |                 |        |           |     |
|                           |                                    | 7  | NDN-AI DAUGHTERS | 7              | 7,876  | 4.6  | 361             |        |           |     |
| STATES- 32                |                                    | 7  | WITH HERD-MATES  | 7              | 7,876  | 4.6  | 361             | 13     | 7,573     | 352 |
|                           |                                    |    |                  |                |        |      |                 | DIFF.  | 303       | 9   |
| 534987                    | .....                              |    |                  |                |        |      |                 |        |           |     |
|                           |                                    | 9  | NDN-AI DAUGHTERS | 10             | 10,478 | 4.4  | 466             |        |           |     |
| STATES- 31                |                                    | 9  | WITH HERD-MATES  | 10             | 10,478 | 4.4  | 466             | 12     | 10,002    | 433 |
|                           |                                    |    |                  |                |        |      |                 | DIFF.  | 476       | 33  |
| 535016                    | FULLER FARMS JOLLY PEER.....       |    |                  |                |        |      |                 |        |           |     |
| 03-20-57                  | 466419 1516754                     | 24 | NDN-AI DAUGHTERS | 29             | 10,799 | 4.8  | 513             |        |           |     |
|                           | LISTED, 08-63                      | 23 | WITH HERD-MATES  | 28             | 10,876 | 4.7  | 515             | 15     | 10,190    | 485 |
| STATES- 32                |                                    |    |                  |                |        |      |                 | DIFF.  | 686       | 30  |
| 535074                    | MULHDCAWAY BUTTERFAT CHARTER.....  |    |                  |                |        |      |                 |        |           |     |
| 07-16-57                  | 507027 1574860                     | 22 | AI DAUGHTERS-09  | 23             | 8,865  | 5.0  | 447             |        |           |     |
| AI STUD, 22-03            | LISTED, 05-64                      | 20 | WITH HERD-MATES  | 21             | 8,708  | 5.0  | 438             | 24     | 9,078     | 441 |
| STATES- 21,22             |                                    |    |                  |                |        |      |                 | DIFF.  | 370-      | 3-  |
| 535096                    | DRIFTWOOD-S FLASH.....             |    |                  |                |        |      |                 |        |           |     |
| 03-15-57                  | 453210 1276404                     | 10 | NDN-AI DAUGHTERS | 13             | 9,836  | 4.9  | 483             |        |           |     |
|                           | LISTED, 11-63                      | 10 | WITH HERD-MATES  | 13             | 9,836  | 4.9  | 483             | 29     | 9,826     | 452 |
| STATES- 51                |                                    |    |                  |                |        |      |                 | DIFF.  | 10        | 31  |
| 535118                    | SUNSHINE LAURIE-S REBEL.....       |    |                  |                |        |      |                 |        |           |     |
| 03-22-57                  | 495738 1488828                     | 8  | NDN-AI DAUGHTERS | 10             | 8,279  | 4.6  | 378             |        |           |     |
|                           | LISTED, 11-63                      | 8  | WITH HERD-MATES  | 10             | 8,279  | 4.6  | 378             | 23     | 7,032     | 327 |
| STATES- 56                |                                    |    |                  |                |        |      |                 | DIFF.  | 1247      | 51  |
| 535139                    | GLENTYAN NDBLE.....                |    |                  |                |        |      |                 |        |           |     |
| 04-16-57                  | 496522 1393360                     | 10 | NDN-AI DAUGHTERS | 11             | 7,936  | 4.5  | 358             |        |           |     |
|                           | LISTED, 03-64                      | 10 | WITH HERD-MATES  | 11             | 7,936  | 4.5  | 358             | 17     | 7,848     | 380 |
| STATES- 51,58             |                                    |    |                  |                |        |      |                 | DIFF.  | 88        | 22- |
| 535150                    | PETER DF 8DXMDNT.....              |    |                  |                |        |      |                 |        |           |     |
| 07-09-57                  | 419481 1039674                     | 14 | NDN-AI DAUGHTERS | 21             | 5,865  | 5.3  | 313             |        |           |     |
|                           | LISTED, 11-63                      | 14 | WITH HERD-MATES  | 21             | 5,865  | 5.3  | 313             | 44     | 7,064     | 347 |
| STATES- 52                |                                    |    |                  |                |        |      |                 | DIFF.  | 1199-     | 34- |
| 535164                    | MAPLE GROVE BUNNY-S SQUIRE.....    |    |                  |                |        |      |                 |        |           |     |
| 07-06-57                  | 445419 1618971                     | 15 | NDN-AI DAUGHTERS | 19             | 9,329  | 4.9  | 454             |        |           |     |
|                           | LISTED, 11-63                      | 15 | WITH HERD-MATES  | 19             | 9,329  | 4.9  | 454             | 15     | 9,449     | 445 |
| STATES- 33                |                                    |    |                  |                |        |      |                 | DIFF.  | 120-      | 9   |
| 535168                    | .....                              |    |                  |                |        |      |                 |        |           |     |
|                           |                                    | 6  | NDN-AI DAUGHTERS | 7              | 8,447  | 5.2  | 436             |        |           |     |
| STATES- 84                |                                    | 6  | WITH HERD-MATES  | 7              | 8,447  | 5.2  | 436             | 19     | 8,350     | 401 |
|                           |                                    |    |                  |                |        |      |                 | DIFF.  | 97        | 35  |

| GUERNSEY       |                                     |         |                  | AV. RECORDS      | PRODUCTION MILK LB | DF TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERD-MATES FAT LB | AV. FAT LB  | PREDICTED MILK LB | AV. FAT LB |
|----------------|-------------------------------------|---------|------------------|------------------|--------------------|-----------|-------------|------------------|-------------------|-------------|-------------------|------------|
| 535191         | .....                               |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| STATES-        | 65                                  | 7       | NDN-AI DAUGHTERS | 7                | 6,347              | 4.3       | 272         |                  |                   |             |                   |            |
|                |                                     | 3       | WITH HERD-MATES  | 3                | 8,843              | 4.6       | 410         | 104 DIFF.        | 8,094 749         | 364 46      |                   |            |
| 535204         | MENDALE PIDNEER-S GDLDEN GENE.....  |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 04-01-56       | 481241                              | 1190066 | 35               | NDN-AI DAUGHTERS | 57                 | 8,911     | 5.2         | 459              |                   |             |                   |            |
|                | LISTED, 08-63                       |         | 35               | WITH HERD-MATES  | 57                 | 8,911     | 5.2         | 459              | 10 DIFF.          | 8,485 426   | 417 42            |            |
| STATES-        | 32                                  |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 535236         | WANDERING BRDDK KEL CINOER.....     |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 02-24-57       | 444998                              | 1167685 | 14               | NDN-AI DAUGHTERS | 20                 | 9,533     | 4.7         | 447              |                   |             |                   |            |
|                | LISTED, 08-63                       |         | 14               | WITH HERD-MATES  | 20                 | 9,533     | 4.7         | 447              | 16 DIFF.          | 9,537 4-    | 462 15-           |            |
| STATES-        | 21                                  |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 535253         | FLYING HORSE OOTES- ROYAL.....      |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 03-12-57       | 496678                              | 1553146 | 137              | AI DAUGHTERS-25* | 196                | 8,756     | 4.9         | 427              |                   |             |                   |            |
| AI STUO, 23-05 | LISTED, 03-64                       |         | 133              | WITH HERD-MATES  | 186                | 8,724     | 4.9         | 425              | 14 DIFF.          | 8,942 218-  | 425               | 8,441 412  |
| STATES-        | 12,21,23,57                         |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
|                |                                     | 1       | NON-AI DAUGHTERS | 1                | 7,740              | 4.7       | 366         |                  |                   |             |                   |            |
|                |                                     | 1       | WITH HERD-MATES  | 1                | 7,740              | 4.7       | 366         | 7 DIFF.          | 8,531 791-        | 423 57-     |                   |            |
| 535255         | .....                               |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| STATES-        | 65,73                               | 7       | NDN-AI DAUGHTERS | 8                | 4,159              | 4.4       | 182         |                  |                   |             |                   |            |
|                |                                     | 1       | WITH HERD-MATES  | 2                | 10,990             | 4.9       | 539         | 34 DIFF.         | 10,369 621        | 485 54      |                   |            |
| 535256         | FLYING HORSE BETTY-S GENERAL.....   |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 04-16-57       | 496678                              | 1148767 | 9                | NDN-AI DAUGHTERS | 12                 | 8,659     | 4.9         | 424              |                   |             |                   |            |
|                | LISTED, 11-63                       |         | 9                | WITH HERD-MATES  | 12                 | 8,659     | 4.9         | 424              | 22 DIFF.          | 9,006 347-  | 423 1             |            |
| STATES-        | 14                                  |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 535257         | FLYING HORSE G.R. PHIL.....         |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 04-19-57       | 496678                              | 1117836 | 1                | AI DAUGHTERS-01  |                    |           |             |                  |                   |             |                   |            |
| AI STUO, 23-02 | LISTED, 05-64                       |         | 1                | WITH HERD-MATES  |                    |           |             |                  |                   |             |                   |            |
| STATES-        | 21,23                               |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
|                |                                     | 5       | NDN-AI DAUGHTERS | 8                | 9,554              | 4.7       | 447         |                  |                   |             |                   |            |
|                |                                     | 5       | WITH HERD-MATES  | 8                | 9,554              | 4.7       | 447         | 10 DIFF.         | 10,305 751-       | 500 53-     |                   |            |
| 535264         | BEN VENUE KING.....                 |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 09-18-57       | 522351                              | 1533437 | 14               | NDN-AI DAUGHTERS | 18                 | 8,800     | 4.8         | 424              |                   |             |                   |            |
|                | LISTED, 03-64                       |         | 13               | WITH HERD-MATES  | 17                 | 8,871     | 4.8         | 426              | 6 DIFF.           | 8,775 96    | 418 8             |            |
| STATES-        | 52                                  |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 535285         | TIDELAND LUDLDW-S HONDR.....        |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 01-04-57       | 469730                              | 1282521 | 13               | AI DAUGHTERS-12  | 13                 | 9,798     | 5.0         | 486              |                   |             |                   |            |
| AI STUO, 92-01 | LISTED, 03-64                       |         | 13               | WITH HERD-MATES  | 13                 | 9,798     | 5.0         | 486              | 15 DIFF.          | 9,832 34-   | 473 13            | 8,655 421  |
| STATES-        | 91,92                               |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
|                |                                     | 9       | NDN-AI DAUGHTERS | 14               | 9,080              | 5.1       | 461         |                  |                   |             |                   |            |
|                |                                     | 9       | WITH HERD-MATES  | 14               | 9,080              | 5.1       | 461         | 14 DIFF.         | 8,654 426         | 450 11      |                   |            |
| 535314         | BUSY BIDDY FARMS PRIOR.....         |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 03-29-57       | 492345                              | 998168  | 9                | NDN-AI DAUGHTERS | 13                 | 8,008     | 4.6         | 369              |                   |             |                   |            |
|                | LISTED, 11-63                       |         | 9                | WITH HERD-MATES  | 12                 | 8,158     | 4.6         | 376              | 14 DIFF.          | 8,395 237-  | 395 19-           |            |
| STATES-        | 32,72                               |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 535316         | .....                               |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| STATES-        | 23,31,56                            | 5       | NDN-AI DAUGHTERS | 8                | 9,086              | 5.0       | 455         |                  |                   |             |                   |            |
|                |                                     | 5       | WITH HERD-MATES  | 8                | 9,086              | 5.0       | 455         | 18 DIFF.         | 9,252 166-        | 442 13      |                   |            |
| 535338         | WESTERN GLDW MARYANNS TRAVELER..... |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 05-16-57       | 522682                              | 1140664 | 1                | AI DAUGHTERS-01  | 1                  | 4,360     | 3.4         | 148              |                   |             |                   |            |
| AI STUO, 35-02 | LISTED, 05-64                       |         | 41               | NDN-AI DAUGHTERS | 48                 | 10,359    | 4.6         | 478              |                   |             |                   |            |
| STATES-        | 35,64,81,82,86,91,92, 93            |         | 41               | WITH HERD-MATES  | 48                 | 10,359    | 4.6         | 478              | 17 DIFF.          | 9,772 587   | 467 11            |            |
| 535444         | .....                               |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| STATES-        | 65                                  | 5       | NDN-AI DAUGHTERS | 6                | 7,742              | 4.5       | 348         |                  |                   |             |                   |            |
|                |                                     | 4       | WITH HERD-MATES  | 5                | 7,568              | 4.6       | 347         | 20 DIFF.         | 7,039 529         | 318 29      |                   |            |
| 535492         | BAYVILLE ROYAL OUKER.....           |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 03-26-57       | 449539                              | 1533430 | 18               | NDN-AI DAUGHTERS | 25                 | 9,696     | 4.6         | 450              |                   |             |                   |            |
|                | LISTED, 03-64                       |         | 18               | WITH HERD-MATES  | 25                 | 9,696     | 4.6         | 450              | 74 DIFF.          | 9,561 135   | 460 10-           |            |
| STATES-        | 52,56,63                            |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 535563         | FAIRLAWN S. SAILDR BODY.....        |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 04-21-57       | 515262                              | 1368853 | 16               | NDN-AI DAUGHTERS | 19                 | 11,344    | 4.8         | 548              |                   |             |                   |            |
|                | LISTED, 03-64                       |         | 16               | WITH HERD-MATES  | 19                 | 11,344    | 4.8         | 548              | 19 DIFF.          | 11,989 645- | 579 31-           |            |
| STATES-        | 23                                  |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 535657         | KILDAIRE-S GOLD BAND MASTER.....    |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 01-09-57       | 496756                              | 1267845 | 19               | NDN-AI DAUGHTERS | 31                 | 8,199     | 5.1         | 422              |                   |             |                   |            |
| STATES-        | 55,64                               |         | 19               | WITH HERD-MATES  | 31                 | 8,199     | 5.1         | 422              | 44 DIFF.          | 8,280 81-   | 407 15            |            |
| 535663         | IDEAL-S SUSIE-S JANUS.....          |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 06-15-55       | 506998                              | 1459003 | 5                | NDN-AI DAUGHTERS | 8                  | 11,713    | 4.4         | 516              |                   |             |                   |            |
| AI STUO, 42-02 | LISTED, 08-63                       |         | 5                | WITH HERD-MATES  | 8                  | 11,713    | 4.4         | 516              | 4 DIFF.           | 10,063 1650 | 465 51            |            |
| STATES-        | 42                                  |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 535687         | WESTLYNN B. CZAR.....               |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 12-28-56       | 496783                              | 1029751 | 8                | AI DAUGHTERS-06  | 13                 | 8,909     | 4.6         | 413              |                   |             |                   |            |
| AI STUO, 48-01 | LISTED, 08-63                       |         | 8                | WITH HERD-MATES  | 13                 | 8,909     | 4.6         | 413              | 6 DIFF.           | 8,113 796   | 387 26            | 8,907 421  |
| STATES-        | 48                                  |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 535688         | WESTLYNN B. COAST KING.....         |         |                  |                  |                    |           |             |                  |                   |             |                   |            |
| 08-17-57       | 496783                              | 1029751 | 12               | NDN-AI DAUGHTERS | 12                 | 9,996     | 4.8         | 479              |                   |             |                   |            |
| AI STUO, 41-25 | LISTED, 03-64                       |         | 11               | WITH HERD-MATES  | 11                 | 9,746     | 4.7         | 458              | 15 DIFF.          | 9,174 572   | 441 17            |            |
| STATES-        | 82,91,92                            |         |                  |                  |                    |           |             |                  |                   |             |                   |            |



## SIREs OF DHIA DAUGHTERS

| STRES OF DATA DAUGHTER          |                                     |         |                 |                  | AV. RECORDS | PRODUCTION | DF     | DAU.   | ADJ. AV. | HERD-MATES | AV.    | PREDICTED AV. |        |
|---------------------------------|-------------------------------------|---------|-----------------|------------------|-------------|------------|--------|--------|----------|------------|--------|---------------|--------|
| GUERNSEY                        |                                     |         |                 |                  | NUMBER      | MILK L8    | TEST % | FAT L8 | NUMBER   | MILK L8    | FAT L8 | MILK L8       | FAT L8 |
| 535689                          | WESTLYNN 8. COLLEGE KING.....       |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 08-17-57                        | 496783                              | 1029751 | 37              | AI DAUGHTERS-16  | 43          | 8,828      | 4.8    | 422    |          |            |        |               |        |
| AI STUD, 48-01                  | LISTED, 05-64                       | 36      | WITH HERD-MATES |                  | 42          | 8,804      | 4.8    | 421    | 15       | 8,617      | 409    | 8,750         | 420    |
| STATES- 47,48                   |                                     |         |                 |                  |             |            |        |        | DIFF.    | 187        | 12     |               |        |
| 535733                          | CLEVERLANDS LANCELDT.....           |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 12-18-56                        | 415186                              | 1220032 | 13              | NDN-AI DAUGHTERS | 15          | 11,074     | 4.7    | 523    |          |            |        |               |        |
|                                 | LISTED, 03-64                       | 13      | WITH HERD-MATES |                  | 15          | 11,074     | 4.7    | 523    | 55       | 11,449     | 537    |               |        |
| STATES- 93                      |                                     |         |                 |                  |             |            |        |        | DIFF.    | 375-       | 14-    |               |        |
| 535744                          | .....                               |         |                 |                  |             |            |        |        |          |            |        |               |        |
|                                 |                                     |         | 7               | NDN-AI DAUGHTERS | 7           | 8,344      | 5.0    | 416    |          |            |        |               |        |
| STATES- 22,23                   |                                     |         | 6               | WITH HERD-MATES  | 6           | 8,538      | 5.0    | 424    | 16       | 9,671      | 478    |               |        |
|                                 |                                     |         |                 |                  |             |            |        |        | DIFF.    | 1133-      | 54-    |               |        |
| 535759                          | ATTE8RDC DUKE-S SUPREME.....        |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 08-05-57                        | 504090                              | 1068198 | 8               | NDN-AI DAUGHTERS | 10          | 12,353     | 4.6    | 568    |          |            |        |               |        |
|                                 | LISTED, 03-64                       | 7       | WITH HERD-MATES |                  | 9           | 11,841     | 4.8    | 570    | 37       | 9,792      | 471    |               |        |
| STATES- 55,56,57,64             |                                     |         |                 |                  |             |            |        |        | DIFF.    | 2049       | 99     |               |        |
| 535822                          | MDNTEREY L. VICTORY.....            |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 08-01-57                        | 496522                              | 812118  | 17              | NDN-AI DAUGHTERS | 20          | 7,944      | 5.3    | 425    |          |            |        |               |        |
|                                 | LISTED, 03-64                       | 17      | WITH HERD-MATES |                  | 20          | 7,944      | 5.3    | 425    | 14       | 8,448      | 415    |               |        |
| STATES- 51                      |                                     |         |                 |                  |             |            |        |        | DIFF.    | 504-       | 10     |               |        |
| 535823                          | .....                               |         |                 |                  |             |            |        |        |          |            |        |               |        |
|                                 |                                     |         | 5               | NDN-AI DAUGHTERS | 6           | 8,915      | 4.6    | 411    |          |            |        |               |        |
| STATES- 56,57,64                |                                     |         | 5               | WITH HERD-MATES  | 6           | 8,915      | 4.6    | 411    | 18       | 8,645      | 408    |               |        |
|                                 |                                     |         |                 |                  |             |            |        |        | DIFF.    | 270        | 3      |               |        |
| 535873                          | .....                               |         |                 |                  |             |            |        |        |          |            |        |               |        |
|                                 |                                     |         | 5               | NDN-AI DAUGHTERS | 6           | 11,464     | 4.6    | 533    |          |            |        |               |        |
| STATES- 11,14,16                |                                     |         | 5               | WITH HERD-MATES  | 6           | 11,464     | 4.6    | 533    | 21       | 10,420     | 509    |               |        |
|                                 |                                     |         |                 |                  |             |            |        |        | DIFF.    | 1044       | 24     |               |        |
| 535901                          | MAURANA MASTER-S PREMIER.....       |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 05-17-57                        | 385582                              | 1028181 | 9               | NDN-AI DAUGHTERS | 17          | 11,020     | 5.0    | 547    |          |            |        |               |        |
| STATES- 32                      |                                     |         | 9               | WITH HERD-MATES  | 17          | 11,020     | 5.0    | 547    | 20       | 9,553      | 492    |               |        |
|                                 |                                     |         |                 |                  |             |            |        |        | DIFF.    | 1467       | 55     |               |        |
| 535994                          | .....                               |         |                 |                  |             |            |        |        |          |            |        |               |        |
|                                 |                                     |         | 6               | NDN-AI DAUGHTERS | 6           | 8,607      | 4.6    | 400    |          |            |        |               |        |
| STATES- 31                      |                                     |         | 6               | WITH HERD-MATES  | 6           | 8,607      | 4.6    | 400    | 6        | 8,503      | 394    |               |        |
|                                 |                                     |         |                 |                  |             |            |        |        | DIFF.    | 104        | 6      |               |        |
| 536000                          | HAMILTON COUNTY FREEMAN.....        |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 10-22-56                        | 454421                              | 864422  | 9               | NDN-AI DAUGHTERS | 15          | 9,341      | 5.2    | 486    |          |            |        |               |        |
|                                 | LISTED, 08-63                       | 9       | WITH HERD-MATES |                  | 15          | 9,341      | 5.2    | 486    | 5        | 10,064     | 491    |               |        |
| STATES- 63                      |                                     |         |                 |                  |             |            |        |        | DIFF.    | 723-       | 5-     |               |        |
| 536053                          | FLYING HDRSE MELDDY CHARTER.....    |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 08-07-57                        | 467844                              | 1270598 | 8               | NDN-AI DAUGHTERS | 9           | 10,901     | 4.7    | 511    |          |            |        |               |        |
|                                 | LISTED, 11-63                       | 8       | WITH HERD-MATES |                  | 9           | 10,901     | 4.7    | 511    | 21       | 10,590     | 512    |               |        |
| STATES- 11,12,14,23             |                                     |         |                 |                  |             |            |        |        | DIFF.    | 311        | 1-     |               |        |
| 536098                          | CLEAR SPRINGS LEADER-S SCOTCH.....  |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 05-31-57                        | 396894                              | 1329413 | 13              | NDN-AI DAUGHTERS | 19          | 7,898      | 4.9    | 386    |          |            |        |               |        |
|                                 | LISTED, 11-63                       | 13      | WITH HERD-MATES |                  | 19          | 7,898      | 4.9    | 386    | 7        | 7,484      | 357    |               |        |
| STATES- 56,57                   |                                     |         |                 |                  |             |            |        |        | DIFF.    | 414        | 29     |               |        |
| 536160                          | MEADOW LANE ROMAN.....              |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 02-16-56                        | 489690                              | 1414354 | 21              | NDN-AI DAUGHTERS | 30          | 9,699      | 5.2    | 501    |          |            |        |               |        |
|                                 | LISTED, 03-64                       | 21      | WITH HERD-MATES |                  | 30          | 9,699      | 5.2    | 501    | 10       | 9,274      | 482    |               |        |
| STATES- 34                      |                                     |         |                 |                  |             |            |        |        | DIFF.    | 425        | 19     |               |        |
| 536182                          | ROBERTS FARM ROYAL-S PEER.....      |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 07-29-57                        | 438330                              | 1459003 | 20              | NDN-AI DAUGHTERS | 29          | 12,263     | 4.6    | 561    |          |            |        |               |        |
|                                 | LISTED, 08-63                       | 20      | WITH HERD-MATES |                  | 29          | 12,263     | 4.6    | 561    | 15       | 11,435     | 547    |               |        |
| STATES- 33                      |                                     |         |                 |                  |             |            |        |        | DIFF.    | 828        | 14     |               |        |
| 536206                          | HERMITAGE VIEW PRINCE.....          |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 03-30-57                        | 454708                              | 1353573 | 1               | AI DAUGHTERS-01  |             |            |        |        |          |            |        |               |        |
| AI STUD, 61-01                  | LISTED, 11-63                       | 1       | WITH HERD-MATES |                  |             |            |        |        |          |            |        |               |        |
| STATES- 61                      |                                     |         |                 |                  |             |            |        |        |          |            |        |               |        |
|                                 |                                     |         | 9               | NDN-AI DAUGHTERS | 15          | 8,227      | 4.7    | 388    |          |            |        |               |        |
|                                 |                                     |         | 9               | WITH HERD-MATES  | 15          | 8,227      | 4.7    | 388    | 17       | 8,391      | 370    |               |        |
|                                 |                                     |         |                 |                  |             |            |        |        | DIFF.    | 164-       | 18     |               |        |
| 536269                          | FLYING HDRSE HARMONY ROYALMOST..... |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 05-28-57                        | 467844                              | 1349127 | 143             | AI DAUGHTERS-25* | 169         | 8,685      | 4.7    | 410    |          |            |        |               |        |
| AI STUD, 31-02                  | LISTED, 05-64                       | 143     | WITH HERD-MATES |                  | 169         | 8,685      | 4.7    | 410    | 29       | 8,774      | 413    | 8,542         | 408    |
| STATES- 31,32,33,51,55,56,58,64 |                                     |         |                 |                  |             |            |        |        | DIFF.    | 89-        | 3-     |               |        |
| 536280                          | EDISTD FARMS G. REDMAN.....         |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 07-15-57                        | 420373                              | 1406698 | 16              | NDN-AI DAUGHTERS | 19          | 8,704      | 5.0    | 433    |          |            |        |               |        |
|                                 | LISTED, 11-63                       | 16      | WITH HERD-MATES |                  | 19          | 8,704      | 5.0    | 433    | 16       | 8,788      | 419    |               |        |
| STATES- 56                      |                                     |         |                 |                  |             |            |        |        | DIFF.    | 84-        | 14     |               |        |
| 536307                          | RUSHCREEK SUPREME RANGER.....       |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 08-21-57                        | 475535                              | 1209712 | 18              | NDN-AI DAUGHTERS | 24          | 8,823      | 4.8    | 426    |          |            |        |               |        |
|                                 | LISTED, 08-63                       | 18      | WITH HERD-MATES |                  | 24          | 8,823      | 4.8    | 426    | 25       | 8,967      | 438    |               |        |
| STATES- 32                      |                                     |         |                 |                  |             |            |        |        | DIFF.    | 144-       | 12-    |               |        |
| 536363                          | HANDVER HILL CAPTAIN.....           |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 04-30-57                        | 423670                              | 1469298 | 14              | NDN-AI DAUGHTERS | 18          | 8,879      | 4.4    | 393    |          |            |        |               |        |
|                                 | LISTED, 03-64                       | 14      | WITH HERD-MATES |                  | 18          | 8,879      | 4.4    | 393    | 50       | 8,245      | 384    |               |        |
| STATES- 56,58                   |                                     |         |                 |                  |             |            |        |        | DIFF.    | 634        | 9      |               |        |
| 536364                          | HANDVER HILL GENERAL.....           |         |                 |                  |             |            |        |        |          |            |        |               |        |
| 08-09-57                        | 503099                              | 1583758 | 10              | NDN-AI DAUGHTERS | 13          | 9,846      | 4.8    | 472    |          |            |        |               |        |
|                                 | LISTED, 03-64                       | 10      | WITH HERD-MATES |                  | 13          | 9,846      | 4.8    | 472    | 30       | 9,049      | 439    |               |        |
| STATES- 21,23,55,57             |                                     |         |                 |                  |             |            |        |        | DIFF.    | 797        | 33     |               |        |

## SIRE OF DHIA DAUGHTERS

| SIRE DATA DAUGHTER |                                     |         |     | AV. RECD         | PRODUCTION | DF     | DAU.   | ADJ.   | HERD-MATES | AV.    | PREDICTED AV. |           |
|--------------------|-------------------------------------|---------|-----|------------------|------------|--------|--------|--------|------------|--------|---------------|-----------|
| GUERNSEY           |                                     |         |     | NUMBER           | MILK L8    | TEST % | FAT L8 | NUMBER | MILK L8    | FAT L8 | MILK L8       | FAT L8    |
| 536379             | DREAMER C. KING.....                |         |     |                  |            |        |        |        |            |        |               |           |
| 09-12-57           | 505094                              | 1411720 | 10  | NDN-AI DAUGHTERS | 12         | 7,179  | 4.7    | 341    |            |        |               |           |
|                    | LISTED, 03-64                       |         | 10  | WITH HERD-MATES  | 11         | 7,190  | 4.8    | 342    | 8          | 7,603  | 349           |           |
| STATES-            | 42                                  |         |     |                  |            |        |        | DIFF.  | 413-       | 7-     |               |           |
| 536393             | 8AYVILLE RDYAL MARSHAL.....         |         |     |                  |            |        |        |        |            |        |               |           |
| 07-07-57           | 449539                              | 809234  | 8   | NDN-AI DAUGHTERS | 9          | 9,174  | 4.8    | 443    |            |        |               |           |
|                    | LISTED, 03-64                       |         | 8   | WITH HERD-MATES  | 9          | 9,174  | 4.8    | 443    | 33         | 8,949  | 439           |           |
| STATES-            | 52                                  |         |     |                  |            |        |        | DIFF.  | 225        | 4      |               |           |
| 536397             | .....                               |         |     |                  |            |        |        |        |            |        |               |           |
|                    |                                     |         | 8   | NDN-AI DAUGHTERS | 8          | 7,995  | 5.1    | 410    |            |        |               |           |
| STATES-            | 52                                  |         | 8   | WITH HERD-MATES  | 8          | 7,995  | 5.1    | 410    | 48         | 8,985  | 428           |           |
|                    |                                     |         |     |                  |            |        |        | DIFF.  | 990-       | 18-    |               |           |
| 536414             | WILL-O-WEST DDN-S DUKE.....         |         |     |                  |            |        |        |        |            |        |               |           |
| 03-11-57           | 359246                              | 832274  | 12  | NDN-AI DAUGHTERS | 18         | 8,751  | 4.9    | 429    |            |        |               |           |
| STATES-            | 91                                  |         | 12  | WITH HERD-MATES  | 18         | 8,751  | 4.9    | 429    | 8          | 8,295  | 406           |           |
|                    |                                     |         |     |                  |            |        |        | DIFF.  | 456        | 23     |               |           |
| 536419             | MARLEA PIDNEER SULTAN.....          |         |     |                  |            |        |        |        |            |        |               |           |
| 10-10-57           | 518189                              | 1670120 | 8   | NDN-AI DAUGHTERS | 12         | 9,075  | 4.7    | 430    |            |        |               |           |
|                    | LISTED, 11-63                       |         | 8   | WITH HERD-MATES  | 12         | 9,075  | 4.7    | 430    | 46         | 9,868  | 465           |           |
| STATES-            | 85                                  |         |     |                  |            |        |        | DIFF.  | 793-       | 35-    |               |           |
| 536451             | .....                               |         |     |                  |            |        |        |        |            |        |               |           |
|                    |                                     |         | 5   | NDN-AI DAUGHTERS | 9          | 7,235  | 4.6    | 331    |            |        |               |           |
| STATES-            | 65                                  |         | 5   | WITH HERD-MATES  | 9          | 7,235  | 4.6    | 331    | 8          | 7,535  | 349           |           |
|                    |                                     |         |     |                  |            |        |        | DIFF.  | 300-       | 18-    |               |           |
| 536475             | HANSENAREA MDTEL.....               |         |     |                  |            |        |        |        |            |        |               |           |
| 11-07-57           | 425345                              | 1531468 | 108 | AI DAUGHTERS-25* | 142        | 9,700  | 4.8    | 463    |            |        |               |           |
| AI STUD, 21-01     | LISTED, 05-64                       |         | 107 | WITH HERD-MATES  | 140        | 9,704  | 4.8    | 464    | 16         | 9,373  | 443           | 8,971 432 |
| STATES-            | 13,16,21,51                         |         |     |                  |            |        |        | DIFF.  | 331        | 21     |               |           |
| 536481             | LDCKSHORE REGAL.....                |         |     |                  |            |        |        |        |            |        |               |           |
| 07-31-57           | 470947                              | 1177571 | 14  | AI DAUGHTERS-13  | 15         | 8,003  | 4.7    | 375    |            |        |               |           |
| AI STUD, 33-03     | LISTED, 08-63                       |         | 13  | WITH HERD-MATES  | 14         | 8,100  | 4.7    | 381    | 13         | 9,304  | 439           | 8,019 382 |
| STATES-            | 13,21,23,35,55,86                   |         |     |                  |            |        |        | DIFF.  | 1204-      | 58-    |               |           |
| 536529             | GOLDEN GRANGE P.V. EGBERT.....      |         |     |                  |            |        |        |        |            |        |               |           |
| 07-04-57           | 515499                              | 1436121 | 9   | NDN-AI DAUGHTERS | 14         | 8,510  | 4.6    | 390    |            |        |               |           |
|                    | LISTED, 11-63                       |         | 9   | WITH HERD-MATES  | 14         | 8,510  | 4.6    | 390    | 15         | 9,256  | 441           |           |
| STATES-            | 35                                  |         |     |                  |            |        |        | DIFF.  | 746-       | 51-    |               |           |
| 536551             | .....                               |         |     |                  |            |        |        |        |            |        |               |           |
|                    |                                     |         | 5   | NDN-AI DAUGHTERS | 7          | 9,009  | 5.1    | 459    |            |        |               |           |
| STATES-            | 13,32                               |         | 5   | WITH HERD-MATES  | 7          | 9,009  | 5.1    | 459    | 32         | 9,929  | 496           |           |
|                    |                                     |         |     |                  |            |        |        | DIFF.  | 920-       | 37-    |               |           |
| 536564             | .....                               |         |     |                  |            |        |        |        |            |        |               |           |
|                    |                                     |         | 5   | NDN-AI DAUGHTERS | 7          | 10,250 | 5.0    | 514    |            |        |               |           |
| STATES-            | 91                                  |         |     |                  |            |        |        |        |            |        |               |           |
| 536589             | MISS LILY-S NEPTUNE.....            |         |     |                  |            |        |        |        |            |        |               |           |
| 10-19-57           | 439587                              | 1755572 | 23  | NDN-AI DAUGHTERS | 32         | 11,005 | 5.0    | 546    |            |        |               |           |
| AI STUD, 23-08     | LISTED, 11-63                       |         | 23  | WITH HERD-MATES  | 32         | 11,005 | 5.0    | 546    | 13         | 11,513 | 560           |           |
| STATES-            | 11,21,23,47                         |         |     |                  |            |        |        | DIFF.  | 508-       | 14-    |               |           |
| 536609             | NDRGERTS QUANTITY-S RDYAL DUKE..... |         |     |                  |            |        |        |        |            |        |               |           |
| 11-19-57           | 473218                              | 1170693 | 17  | NDN-AI DAUGHTERS | 23         | 10,030 | 4.8    | 478    |            |        |               |           |
| AI STUD, 33-02     | LISTED, 03-64                       |         | 17  | WITH HERD-MATES  | 23         | 10,030 | 4.8    | 478    | 18         | 9,596  | 455           |           |
| STATES-            | 33                                  |         |     |                  |            |        |        | DIFF.  | 434        | 23     |               |           |
| 536610             | NDRGERTS RDYAL D. SCOTSMAN.....     |         |     |                  |            |        |        |        |            |        |               |           |
| 12-22-57           | 473218                              | 1600002 | 15  | NDN-AI DAUGHTERS | 18         | 10,923 | 4.9    | 532    |            |        |               |           |
| AI STUD, 35-02     | LISTED, 03-64                       |         | 15  | WITH HERD-MATES  | 18         | 10,923 | 4.9    | 532    | 11         | 7,940  | 390           |           |
| STATES-            | 48                                  |         |     |                  |            |        |        | DIFF.  | 2983       | 142    |               |           |
| 536648             | CANDY LEVITY DF ROLLING RIDGE.....  |         |     |                  |            |        |        |        |            |        |               |           |
| 12-04-57           | 433384                              | 1620535 | 11  | NDN-AI DAUGHTERS | 13         | 4,927  | 5.0    | 244    |            |        |               |           |
|                    | LISTED, 03-64                       |         | 10  | WITH HERD-MATES  | 12         | 5,048  | 4.9    | 246    | 6          | 6,516  | 304           |           |
| STATES-            | 42                                  |         |     |                  |            |        |        | DIFF.  | 1468-      | 58-    |               |           |
| 536655             | FAIRLAWN S. RENDOWN.....            |         |     |                  |            |        |        |        |            |        |               |           |
| 05-15-57           | 515252                              | 1222142 | 36  | AI DAUGHTERS-23  | 45         | 8,166  | 4.7    | 385    |            |        |               |           |
| AI STUD, 23-07     | LISTED, 03-64                       |         | 34  | WITH HERD-MATES  | 43         | 8,381  | 4.7    | 393    | 16         | 8,460  | 410           | 8,540 399 |
| STATES-            | 11,14,23                            |         |     |                  |            |        |        | DIFF.  | 79-        | 17-    |               |           |
|                    |                                     |         | 2   | NDN-AI DAUGHTERS | 3          | 6,818  | 5.0    | 340    |            |        |               |           |
|                    |                                     |         | 2   | WITH HERD-MATES  | 3          | 6,818  | 5.0    | 340    | 4          | 7,951  | 395           |           |
|                    |                                     |         |     |                  |            |        |        | DIFF.  | 1133-      | 55-    |               |           |
| 536658             | .....                               |         |     |                  |            |        |        |        |            |        |               |           |
|                    |                                     |         | 6   | AI DAUGHTERS-04  | 7          | 10,573 | 5.0    | 532    |            |        |               |           |
| AI STUD, 93-02     |                                     |         | 6   | WITH HERD-MATES  | 7          | 10,573 | 5.0    | 532    | 28         | 9,762  | 489           | 8,915 428 |
| STATES-            | 86,91,93                            |         |     |                  |            |        |        | DIFF.  | 811        | 43     |               |           |
| 536701             | MAPLE LEAF RDYALTY.....             |         |     |                  |            |        |        |        |            |        |               |           |
| 09-18-57           | 498562                              | 1206067 | 13  | NDN-AI DAUGHTERS | 15         | 9,023  | 5.4    | 484    |            |        |               |           |
|                    | LISTED, 11-63                       |         | 13  | WITH HERD-MATES  | 15         | 9,023  | 5.4    | 484    | 6          | 8,744  | 439           |           |
| STATES-            | 41                                  |         |     |                  |            |        |        | DIFF.  | 279        | 45     |               |           |
| 536751             | ERWIN FARMS STAR-S MAGAR.....       |         |     |                  |            |        |        |        |            |        |               |           |
| 09-22-57           | 482830                              | 1538035 | 18  | NDN-AI DAUGHTERS | 19         | 7,886  | 4.6    | 360    |            |        |               |           |
|                    | LISTED, 03-64                       |         | 18  | WITH HERD-MATES  | 19         | 7,886  | 4.6    | 360    | 72         | 7,460  | 332           |           |
| STATES-            | 71,72                               |         |     |                  |            |        |        | DIFF.  | 426        | 28     |               |           |
| 536784             | SDUTH VIEW SUPREME-S DUKE.....      |         |     |                  |            |        |        |        |            |        |               |           |
| 10-21-57           | 475595                              | 1426111 | 15  | NDN-AI DAUGHTERS | 20         | 11,214 | 5.1    | 568    |            |        |               |           |
|                    | LISTED, 08-63                       |         | 15  | WITH HERD-MATES  | 20         | 11,214 | 5.1    | 568    | 20         | 11,515 | 575           |           |
| STATES-            | 32,72                               |         |     |                  |            |        |        | DIFF.  | 301-       | 7-     |               |           |
| 536823             | .....                               |         |     |                  |            |        |        |        |            |        |               |           |
|                    |                                     |         | 6   | NDN-AI DAUGHTERS | 9          | 8,174  | 4.5    | 369    |            |        |               |           |
| STATES-            | 46                                  |         | 6   | WITH HERD-MATES  | 9          | 8,174  | 4.5    | 369    | 4          | 8,388  | 381           |           |
|                    |                                     |         |     |                  |            |        |        | DIFF.  | 214-       | 12-    |               |           |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY   |                                     |     |                  | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|--|-------------------------------------|-----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 536859   | .....                               | 5   | NDN-AI DAUGHTERS | 5           | 9,446                 | 5.3    | 499         |                 |                    |            |                   |            |
| STATES- 92   |                                     | 5   | WITH HERD-MATES  | 5           | 9,446                 | 5.3    | 499         | 47 DIFF.        | 11,198 1752-       | 598 99-    |                   |            |
| 536875   | WANDERING BROOK MO-MAR.....         |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 09-23-57   | 425345 1006799                      | 137 | AI DAUGHTERS-25* | 168         | 9,426                 | 4.9    | 460         |                 |                    |            |                   |            |
| AI STU0, 16-04   | LISTED, 05-64                       | 132 | WITH HERD-MATES  | 162         | 9,446                 | 4.9    | 462         | 15 DIFF.        | 9,493 47-          | 458 4      | 8,646             | 419        |
| STATES- 12,13,14,16,21,23                                  |                                     |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 536883   | CDL8YS MAGAR-S GENTLEMAN.....       |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 07-15-57   | 440484 1144593                      | 27  | NDN-AI DAUGHTERS | 30          | 7,746                 | 4.5    | 347         |                 |                    |            |                   |            |
| STATES- 56   |                                     | 27  | WITH HERD-MATES  | 30          | 7,746                 | 4.5    | 347         | 30 DIFF.        | 7,432 314          | 335 12     |                   |            |
| 536891   | LEAFY LANE NDBLEMAN.....            |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 09-08-57   | 453207 1575445                      | 86  | AI DAUGHTERS-25* | 96          | 8,528                 | 4.9    | 414         |                 |                    |            |                   |            |
| AI STU0, 33-03   | LISTED, 03-64                       | 83  | WITH HERD-MATES  | 91          | 8,544                 | 4.9    | 415         | 14 DIFF.        | 9,113 569-         | 437 22-    | 8,157             | 394        |
| STATES- 14,21,23,31,32,33,34,35,41,42,43,47,51,52,64,82,92 |                                     | 8   | NDN-AI DAUGHTERS | 15          | 8,701                 | 5.0    | 437         |                 |                    |            |                   |            |
|  |                                     | 8   | WITH HERD-MATES  | 15          | 8,701                 | 5.0    | 437         | 16 DIFF.        | 9,226 525-         | 459 22-    |                   |            |
| 536926   | GRAND LAKE TRANSFER-S HANK.....     |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 10-31-57   | 453207 1422864                      | 14  | NON-AI DAUGHTERS | 19          | 7,857                 | 4.8    | 380         |                 |                    |            |                   |            |
| STATES- 31,61  |                                     | 13  | WITH HERD-MATES  | 17          | 8,001                 | 4.8    | 385         | 9 DIFF.         | 7,806 195          | 362 23     |                   |            |
| 536928   | .....                               |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 32,57  |                                     | 5   | NDN-AI DAUGHTERS | 7           | 9,154                 | 4.8    | 438         |                 |                    |            |                   |            |
|  |                                     | 5   | WITH HERD-MATES  | 7           | 9,154                 | 4.8    | 438         | 21 DIFF.        | 9,286 132-         | 452 14-    |                   |            |
| 536947   | U. OF M. G. GRANT.....              |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 01-19-58   | 507524 1446249                      | 9   | NON-AI DAUGHTERS | 10          | 9,765                 | 5.0    | 488         |                 |                    |            |                   |            |
| STATES- 41   |                                     | 9   | WITH HERD-MATES  | 10          | 9,765                 | 5.0    | 488         | 16 DIFF.        | 8,740 1025         | 434 54     |                   |            |
| 536974   | PRESTOALE BDN. CHAMPION.....        |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 11-23-57   | 496783 1371359                      | 10  | NON-AI DAUGHTERS | 10          | 10,174                | 4.9    | 496         |                 |                    |            |                   |            |
| STATES- 42   |                                     | 10  | WITH HERD-MATES  | 10          | 10,174                | 4.9    | 496         | 17 DIFF.        | 9,139 1035         | 443 53     |                   |            |
| 536977   | PRESTOALE VIC-S REX.....            |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 01-06-58   | 511627 1613591                      | 16  | NDN-AI DAUGHTERS | 22          | 10,237                | 4.4    | 452         |                 |                    |            |                   |            |
| STATES- 92   |                                     | 16  | WITH HERD-MATES  | 22          | 10,237                | 4.4    | 452         | 12 DIFF.        | 9,930 307          | 453 1-     |                   |            |
| 536983   | CLEVERLANOS ZOLTON.....             |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 05-25-57   | 530378 1727471                      | 11  | NON-AI DAUGHTERS | 15          | 11,355                | 4.6    | 523         |                 |                    |            |                   |            |
| STATES- 93   |                                     | 11  | WITH HERD-MATES  | 15          | 11,355                | 4.6    | 523         | 63 DIFF.        | 11,752 397-        | 549 26-    |                   |            |
| 536994   | .....                               |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| AI STU0, 31-02   |                                     | 5   | NON-AI DAUGHTERS | 7           | 11,911                | 4.8    | 574         |                 |                    |            |                   |            |
| STATES- 23   |                                     | 5   | WITH HERD-MATES  | 7           | 11,911                | 4.8    | 574         | 17 DIFF.        | 10,060 1851        | 511 63     |                   |            |
| 537210   | LEAFY LANE HIGHLANDER.....          |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 11-07-57   | 453207 1217447                      | 17  | NON-AI DAUGHTERS | 21          | 9,331                 | 5.2    | 481         |                 |                    |            |                   |            |
| STATES- 31,32  |                                     | 17  | WITH HERD-MATES  | 21          | 9,331                 | 5.2    | 481         | 11 DIFF.        | 9,831 500-         | 497 16-    |                   |            |
| 537252   | FLYING HORSE ROSEMARY MASTER.....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 08-28-57   | 428378 934508                       | 12  | NON-AI DAUGHTERS | 16          | 9,235                 | 5.2    | 483         |                 |                    |            |                   |            |
| STATES- 22,23  |                                     | 12  | WITH HERD-MATES  | 16          | 9,235                 | 5.2    | 483         | 17 DIFF.        | 9,249 14-          | 462 21     |                   |            |
| 537299   | GOLDEN HARVEST F GLAOSTONE.....     |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 07-31-57   | 507847 1609367                      | 35  | AI DAUGHTERS-23  | 45          | 9,171                 | 4.8    | 440         |                 |                    |            |                   |            |
| AI STU0, 91-01   | LISTED, 05-64                       | 33  | WITH HERD-MATES  | 41          | 9,202                 | 4.8    | 442         | 12 DIFF.        | 9,666 464-         | 473 31-    | 8,348             | 393        |
| STATES- 91,92  |                                     |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 537301   | GOLDEN HARVEST KING-S GOURMET.....  |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 08-21-57   | 407921 1492619                      | 72  | AI DAUGHTERS-25* | 89          | 9,367                 | 5.0    | 473         |                 |                    |            |                   |            |
| AI STU0, 23-07   | LISTED, 03-64                       | 70  | WITH HERD-MATES  | 87          | 9,309                 | 5.1    | 472         | 15 DIFF.        | 8,996 313          | 440 32     | 8,908             | 441        |
| STATES- 23,56  |                                     | 1   | NON-AI DAUGHTERS | 1           | 3,610                 | 3.7    | 132         |                 |                    |            |                   |            |
|  |                                     | 1   | WITH HERD-MATES  | 1           | 3,610                 | 3.7    | 132         | 22 DIFF.        | 6,807 3197-        | 294 162-   |                   |            |
| 537307   | WARDELL-S BROCKTON SAILOR KING..... |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 10-16-57   | 523825 1256099                      | 9   | NON-AI DAUGHTERS | 12          | 10,908                | 4.8    | 522         |                 |                    |            |                   |            |
| STATES- 22,23  |                                     | 9   | WITH HERD-MATES  | 12          | 10,908                | 4.8    | 522         | 22 DIFF.        | 11,441 533-        | 539 17-    |                   |            |
| 537314   | LAKE LOUISE KING-S BUTTERGOLD.....  |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 06-24-57   | 428861 1273424                      | 9   | NON-AI DAUGHTERS | 11          | 8,267                 | 4.8    | 400         |                 |                    |            |                   |            |
| STATES- 21,50,57   |                                     | 8   | WITH HERD-MATES  | 10          | 8,831                 | 4.9    | 429         | 32 DIFF.        | 9,062 231-         | 451 22-    |                   |            |
| 537347   | FRANCHESTER TRANSFER-S JESTER.....  |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 07-10-57   | 453207 734290                       | 34  | AI DAUGHTERS-17  | 34          | 9,395                 | 4.8    | 451         |                 |                    |            |                   |            |
| AI STU0, 31-01   | LISTED, 05-64                       | 34  | WITH HERD-MATES  | 34          | 9,395                 | 4.8    | 451         | 22 DIFF.        | 9,305 90           | 451        | 8,726             | 414        |
| STATES- 16,23,31,74,84,85                                  |                                     | 11  | NON-AI DAUGHTERS | 19          | 9,994                 | 4.9    | 488         |                 |                    |            |                   |            |
|  |                                     | 11  | WITH HERD-MATES  | 19          | 9,994                 | 4.9    | 488         | 57 DIFF.        | 10,548 554-        | 534 46-    |                   |            |
| 537360   | ANSMIL D. TRAVELLER.....            |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 08-20-57   | 507009 1590982                      | 8   | NON-AI DAUGHTERS | 10          | 8,908                 | 4.6    | 406         |                 |                    |            |                   |            |
| STATES- 31   |                                     | 8   | WITH HERD-MATES  | 10          | 8,908                 | 4.6    | 406         | 6 DIFF.         | 9,300 392-         | 437 31-    |                   |            |



## SIRE OF OHIA DAUGHTERS

| GUERNSEY       |                                      |    |                  | AV. RECORDS | PRODUCTION OF MILK LBS | TEST % | DAU. FAT LBS | ADJ. AV. MILK LBS | HERO-MATES FAT LBS | AV. FAT LBS | PREDICTED MILK LBS | AV. FAT LBS |
|----------------|--------------------------------------|----|------------------|-------------|------------------------|--------|--------------|-------------------|--------------------|-------------|--------------------|-------------|
| 537398         | MCDONALD FARMS JOLLY ARISTOCRAT..... |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 11-11-57       | 439587 988072                        | 29 | AI DAUGHTERS-18  | 34          | 9,203                  | 4.9    | 451          |                   |                    |             |                    |             |
| AI STUD, 33-02 | LISTED, 03-64                        | 29 | WITH HERO-MATES  | 34          | 9,203                  | 4.9    | 451          | 10                | 9,051              | 434         | 8,746              | 424         |
| STATES- 33     |                                      |    |                  |             |                        |        |              | OIFF.             | 152                | 17          |                    |             |
| 537405         | DENNIS FARM FORE JEFFRY.....         |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 08-16-57       | 449173 1476956                       | 8  | NON-AI DAUGHTERS | 10          | 9,461                  | 5.0    | 473          |                   |                    |             |                    |             |
|                | LISTED, 11-63                        | 8  | WITH HERO-MATES  | 10          | 9,461                  | 5.0    | 473          | 13                | 8,501              | 413         |                    |             |
| STATES- 35     |                                      |    |                  |             |                        |        |              | OIFF.             | 960                | 60          |                    |             |
| 537515         | COLBYS SOLOMON.....                  |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 08-02-57       | 516703 1641210                       | 16 | NON-AI DAUGHTERS | 18          | 9,417                  | 4.6    | 431          |                   |                    |             |                    |             |
|                | LISTED, 11-63                        | 16 | WITH HERO-MATES  | 18          | 9,417                  | 4.6    | 431          | 19                | 9,212              | 429         |                    |             |
| STATES- 32     |                                      |    |                  |             |                        |        |              | OIFF.             | 205                | 2           |                    |             |
| 537526         | .....                                |    |                  |             |                        |        |              |                   |                    |             |                    |             |
|                |                                      | 5  | NON-AI DAUGHTERS | 5           | 7,778                  | 5.1    | 394          |                   |                    |             |                    |             |
| STATES- 33     |                                      | 5  | WITH HERO-MATES  | 5           | 7,778                  | 5.1    | 394          | 11                | 8,458              | 425         |                    |             |
|                |                                      |    |                  |             |                        |        |              | OIFF.             | 680-               | 31-         |                    |             |
| 537541         | WINOY HILL C. VICTOR.....            |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 08-03-57       | 449675 1541777                       | 13 | NON-AI DAUGHTERS | 16          | 9,739                  | 4.6    | 445          |                   |                    |             |                    |             |
|                | LISTED, 11-63                        | 13 | WITH HERO-MATES  | 16          | 9,739                  | 4.6    | 445          | 18                | 9,173              | 438         |                    |             |
| STATES- 23     |                                      |    |                  |             |                        |        |              | OIFF.             | 566                | 7           |                    |             |
| 537577         | .....                                |    |                  |             |                        |        |              |                   |                    |             |                    |             |
|                |                                      | 5  | NON-AI DAUGHTERS | 5           | 7,908                  | 4.3    | 343          |                   |                    |             |                    |             |
| STATES- 33     |                                      | 5  | WITH HERO-MATES  | 5           | 7,908                  | 4.3    | 343          | 5                 | 7,889              | 375         |                    |             |
|                |                                      |    |                  |             |                        |        |              | OIFF.             | 19                 | 32-         |                    |             |
| 537608         | BAYVILLE ROYAL HERCULES.....         |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 10-05-57       | 449539 920103                        | 8  | NON-AI DAUGHTERS | 12          | 9,166                  | 4.4    | 401          |                   |                    |             |                    |             |
|                | LISTED, 11-63                        | 8  | WITH HERO-MATES  | 12          | 9,166                  | 4.4    | 401          | 15                | 10,770             | 512         |                    |             |
| STATES- 52     |                                      |    |                  |             |                        |        |              | OIFF.             | 1604-              | 111-        |                    |             |
| 537639         | DEEP LAKE FLASH-S ROYAL.....         |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 07-11-57       | 475548 994111                        | 10 | NON-AI DAUGHTERS | 10          | 9,728                  | 4.5    | 434          |                   |                    |             |                    |             |
|                | LISTED, 11-63                        | 9  | WITH HERO-MATES  | 9           | 10,301                 | 4.5    | 462          | 16                | 9,409              | 431         |                    |             |
| STATES- 21     |                                      |    |                  |             |                        |        |              | OIFF.             | 892                | 31          |                    |             |
| 537665         | FOREMOST FOOTPRINT MAYWOOD.....      |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 07-20-57       | 351131 1447159                       | 8  | NON-AI DAUGHTERS | 12          | 9,853                  | 4.7    | 467          |                   |                    |             |                    |             |
|                | LISTED, 11-63                        | 8  | WITH HERO-MATES  | 12          | 9,853                  | 4.7    | 467          | 7                 | 9,595              | 453         |                    |             |
| STATES- 33     |                                      |    |                  |             |                        |        |              | OIFF.             | 258                | 14          |                    |             |
| 537743         | ALPINE ROSE SECRET JUPITER.....      |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 12-04-57       | 529242 1342861                       | 16 | NON-AI DAUGHTERS | 20          | 9,103                  | 4.9    | 447          |                   |                    |             |                    |             |
|                | LISTED, 03-64                        | 15 | WITH HERO-MATES  | 18          | 9,313                  | 4.9    | 460          | 18                | 8,505              | 436         |                    |             |
| STATES- 32     |                                      |    |                  |             |                        |        |              | OIFF.             | 808                | 24          |                    |             |
| 537771         | DENNY-DALE LOREN-S BUILOER.....      |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 07-05-57       | 467224 1652239                       | 9  | NON-AI DAUGHTERS | 11          | 10,566                 | 4.8    | 503          |                   |                    |             |                    |             |
|                | LISTED, 03-64                        | 9  | WITH HERO-MATES  | 11          | 10,566                 | 4.8    | 503          | 19                | 10,911             | 518         |                    |             |
| STATES- 91     |                                      |    |                  |             |                        |        |              | OIFF.             | 345-               | 15-         |                    |             |
| 537882         | CHERUB-S BUTTERKING NOBLE.....       |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 08-27-57       | 459489 1415236                       | 9  | NON-AI DAUGHTERS | 11          | 9,532                  | 4.8    | 459          |                   |                    |             |                    |             |
|                | LISTED, 11-63                        | 9  | WITH HERO-MATES  | 11          | 9,532                  | 4.8    | 459          | 10                | 7,939              | 377         |                    |             |
| STATES- 32     |                                      |    |                  |             |                        |        |              | OIFF.             | 1593               | 82          |                    |             |
| 537932         | HIGH MEADOWS ATLAS.....              |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 12-30-57       | 518779 798564                        | 51 | AI DAUGHTERS-21  | 63          | 8,659                  | 4.7    | 407          |                   |                    |             |                    |             |
| AI STUD, 23-02 | LISTED, 05-64                        | 50 | WITH HERO-MATES  | 62          | 8,678                  | 4.7    | 408          | 12                | 8,817              | 421         | 8,515              | 401         |
| STATES- 23     |                                      |    |                  |             |                        |        |              | OIFF.             | 139-               | 13-         |                    |             |
| 537952         | .....                                |    |                  |             |                        |        |              |                   |                    |             |                    |             |
|                |                                      | 5  | NON-AI DAUGHTERS | 6           | 8,478                  | 4.8    | 410          |                   |                    |             |                    |             |
| STATES- 32     |                                      | 5  | WITH HERO-MATES  | 6           | 8,478                  | 4.8    | 410          | 5                 | 7,730              | 398         |                    |             |
|                |                                      |    |                  |             |                        |        |              | OIFF.             | 748                | 12          |                    |             |
| 537971         | .....                                |    |                  |             |                        |        |              |                   |                    |             |                    |             |
|                |                                      | 5  | NON-AI DAUGHTERS | 7           | 12,455                 | 4.1    | 512          |                   |                    |             |                    |             |
| STATES- 33     |                                      | 5  | WITH HERO-MATES  | 7           | 12,455                 | 4.1    | 512          | 19                | 10,182             | 440         |                    |             |
|                |                                      |    |                  |             |                        |        |              | OIFF.             | 2273               | 72          |                    |             |
| 537977         | CLEARLAND BUTTERFAT DANCER.....      |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 01-01-58       | 493764 1711725                       | 11 | NON-AI DAUGHTERS | 11          | 10,520                 | 5.2    | 550          |                   |                    |             |                    |             |
|                | LISTED, 05-64                        | 11 | WITH HERO-MATES  | 11          | 10,520                 | 5.2    | 550          | 18                | 10,145             | 520         |                    |             |
| STATES- 32     |                                      |    |                  |             |                        |        |              | OIFF.             | 375                | 30          |                    |             |
| 537987         | COLBYS E.R. MAGAR.....               |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 10-11-57       | 455722 1666248                       | 11 | NON-AI DAUGHTERS | 13          | 9,867                  | 5.0    | 492          |                   |                    |             |                    |             |
|                | LISTED, 11-63                        | 11 | WITH HERO-MATES  | 13          | 9,867                  | 5.0    | 492          | 15                | 9,170              | 445         |                    |             |
| STATES- 31     |                                      |    |                  |             |                        |        |              | OIFF.             | 697                | 47          |                    |             |
| 537999         | .....                                |    |                  |             |                        |        |              |                   |                    |             |                    |             |
|                |                                      | 7  | NON-AI DAUGHTERS | 8           | 6,745                  | 4.7    | 315          |                   |                    |             |                    |             |
| STATES- 21     |                                      | 7  | WITH HERO-MATES  | 8           | 6,745                  | 4.7    | 315          | 13                | 6,435              | 299         |                    |             |
|                |                                      |    |                  |             |                        |        |              | OIFF.             | 310                | 16          |                    |             |
| 538021         | WILLOW SPRING 8FT. SUPREME.....      |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 04-07-56       | 475595 1339128                       | 19 | NON-AI DAUGHTERS | 28          | 9,844                  | 5.3    | 523          |                   |                    |             |                    |             |
| AI STUD, 12-03 | LISTED, 05-64                        | 19 | WITH HERO-MATES  | 28          | 9,844                  | 5.3    | 523          | 4                 | 9,546              | 481         |                    |             |
| STATES- 32,34  |                                      |    |                  |             |                        |        |              | OIFF.             | 298                | 42          |                    |             |
| 538025         | DENNIS FARM JOLLY JAY.....           |    |                  |             |                        |        |              |                   |                    |             |                    |             |
| 09-13-57       | 512323 1085307                       | 14 | NON-AI DAUGHTERS | 15          | 9,724                  | 4.9    | 481          |                   |                    |             |                    |             |
|                | LISTED, 11-63                        | 14 | WITH HERO-MATES  | 15          | 9,724                  | 4.9    | 481          | 5                 | 10,137             | 494         |                    |             |
| STATES- 33     |                                      |    |                  |             |                        |        |              | OIFF.             | 413-               | 13-         |                    |             |
| 538028         | .....                                |    |                  |             |                        |        |              |                   |                    |             |                    |             |
|                |                                      | 6  | NON-AI DAUGHTERS | 6           | 8,387                  | 4.9    | 414          |                   |                    |             |                    |             |
| STATES- 23     |                                      | 6  | WITH HERO-MATES  | 6           | 8,387                  | 4.9    | 414          | 16                | 9,216              | 445         |                    |             |
|                |                                      |    |                  |             |                        |        |              | OIFF.             | 829-               | 31-         |                    |             |

| SIRE OF DATA SUBMITTER                  |             |               |                     | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|---|-------------|---------------|---------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| GUERNSEY                                |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| 538047 .....                            |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| STATES-                                 | 31          | 6             | NON-AI DAUGHTERS    | 6           | 9,327                 | 4.9    | 453         |                 |                    |            |                   |            |
|   |             | 6             | WITH HERD-MATES     | 6           | 9,327                 | 4.9    | 453         | 10              | 9,851              | 462        |                   |            |
|   |             |               |                     |             |                       |        |             | OIFF.           | 524-               | 9-         |                   |            |
| 538058 .....                            |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| STATES-                                 | 32          | 8             | NON-AI DAUGHTERS    | 9           | 9,643                 | 5.1    | 488         |                 |                    |            |                   |            |
|   |             | 8             | WITH HERD-MATES     | 9           | 9,643                 | 5.1    | 488         | 36              | 9,371              | 460        |                   |            |
|   |             |               |                     |             |                       |        |             | OIFF.           | 272                | 28         |                   |            |
| 538095 SPAR HILL JOLLY OUK.....         |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| 09-29-57                                | 524993      | 1303191       | 23 NON-AI DAUGHTERS | 26          | 9,951                 | 4.6    | 458         |                 |                    |            |                   |            |
|   |             | LISTED, 11-63 | 23 WITH HERD-MATES  | 26          | 9,951                 | 4.6    | 458         | 24              | 9,717              | 474        |                   |            |
| STATES-                                 | 23          |               |                     |             |                       |        |             | OIFF.           | 234                | 16-        |                   |            |
| 538103 .....                            |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| STATES-                                 | 22          | 7             | NON-AI DAUGHTERS    | 7           | 10,204                | 5.5    | 563         |                 |                    |            |                   |            |
|   |             | 7             | WITH HERD-MATES     | 7           | 10,204                | 5.5    | 563         | 53              | 10,455             | 535        |                   |            |
|   |             |               |                     |             |                       |        |             | OIFF.           | 251-               | 28         |                   |            |
| 538119 BROOKOELL KING HERD.....         |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| 10-21-57                                | 425345      | 1426225       | 80 AI DAUGHTERS-25* | 96          | 9,248                 | 4.9    | 451         |                 |                    |            |                   |            |
|   |             | LISTED, 05-64 | 78 WITH HERD-MATES  | 92          | 9,225                 | 4.9    | 452         | 22              | 9,307              | 447        | 8,599             | 419        |
| STATES-                                 | 13,16,21,23 |               |                     |             |                       |        |             | OIFF.           | 82-                | 5          |                   |            |
| 538125 .....                            |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| STATES-                                 | 84          | 8             | NON-AI DAUGHTERS    | 9           | 5,597                 | 4.9    | 274         |                 |                    |            |                   |            |
|   |             | 8             | WITH HERD-MATES     | 9           | 5,597                 | 4.9    | 274         | 7               | 7,102              | 316        |                   |            |
|   |             |               |                     |             |                       |        |             | OIFF.           | 1505-              | 42-        |                   |            |
| 538167 MITHOEFER-S B. KONRAO.....       |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| 10-14-57                                | 508449      | 1415309       | 8 NON-AI DAUGHTERS  | 8           | 8,528                 | 4.3    | 365         |                 |                    |            |                   |            |
|   |             | LISTED, 11-63 | 8 WITH HERD-MATES   | 8           | 8,528                 | 4.3    | 365         | 13              | 8,324              | 379        |                   |            |
| STATES-                                 | 32          |               |                     |             |                       |        |             | OIFF.           | 204                | 14-        |                   |            |
| 538197 PRE-EMINENT SONNY CLAUOE.....    |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| 08-30-57                                | 509308      | 1643083       | 18 NON-AI DAUGHTERS | 18          | 9,127                 | 4.2    | 385         |                 |                    |            |                   |            |
|   |             | LISTED, 03-64 | 18 WITH HERD-MATES  | 18          | 9,127                 | 4.2    | 385         | 18              | 8,326              | 394        |                   |            |
| STATES-                                 | 84          |               |                     |             |                       |        |             | OIFF.           | 801                | 9-         |                   |            |
| 538267 .....                            |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| STATES-                                 | 23          | 9             | NON-AI DAUGHTERS    | 10          | 8,091                 | 5.3    | 430         |                 |                    |            |                   |            |
|   |             | 9             | WITH HERD-MATES     | 10          | 8,091                 | 5.3    | 430         | 9               | 9,802              | 480        |                   |            |
|   |             |               |                     |             |                       |        |             | OIFF.           | 1711-              | 50-        |                   |            |
| 538280 .....                            |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| STATES-                                 | 23          | 5             | NON-AI DAUGHTERS    | 5           | 7,502                 | 4.1    | 306         |                 |                    |            |                   |            |
|   |             | 5             | WITH HERD-MATES     | 5           | 7,502                 | 4.1    | 306         | 24              | 9,072              | 424        |                   |            |
|   |             |               |                     |             |                       |        |             | OIFF.           | 1570-              | 118-       |                   |            |
| 538288 .....                            |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| STATES-                                 | 91          | 5             | NON-AI DAUGHTERS    | 6           | 11,140                | 4.9    | 541         |                 |                    |            |                   |            |
|   |             | 5             | WITH HERD-MATES     | 6           | 11,140                | 4.9    | 541         | 19              | 10,689             | 510        |                   |            |
|   |             |               |                     |             |                       |        |             | OIFF.           | 451                | 31         |                   |            |
| 538422 FAIRLAWN HORNET-S GALLANT.....   |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| 11-06-57                                | 362352      | 1211583       | 49 AI DAUGHTERS-25* | 59          | 8,383                 | 4.9    | 411         |                 |                    |            |                   |            |
|   |             | LISTED, 05-64 | 46 WITH HERD-MATES  | 54          | 8,553                 | 4.9    | 421         | 9               | 9,404              | 452        | 7,999             | 390        |
| STATES-                                 | 11          |               |                     |             |                       |        |             | OIFF.           | 851-               | 31-        |                   |            |
| 538440 NORMANBY ESQUIRE.....            |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| 11-25-56                                | 493168      | 1588736       | 11 NON-AI DAUGHTERS | 15          | 11,848                | 5.3    | 623         |                 |                    |            |                   |            |
|   |             | LISTED, 11-63 | 11 WITH HERD-MATES  | 14          | 11,590                | 5.3    | 610         | 17              | 10,900             | 534        |                   |            |
| STATES-                                 | 32          |               |                     |             |                       |        |             | OIFF.           | 690                | 76         |                   |            |
| 538455 .....                            |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| STATES-                                 | 48          | 13            | NON-AI DAUGHTERS    | 13          | 8,558                 | 5.0    | 428         |                 |                    |            |                   |            |
|   |             | 13            | WITH HERD-MATES     | 13          | 8,558                 | 5.0    | 428         | 8               | 8,338              | 397        |                   |            |
|   |             |               |                     |             |                       |        |             | OIFF.           | 220                | 31         |                   |            |
| 538458 LA GREEN DON TRANSFER.....       |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| 12-22-57                                | 453207      | 1508467       | 8 NON-AI DAUGHTERS  | 8           | 8,123                 | 4.8    | 390         |                 |                    |            |                   |            |
|   |             | LISTED, 03-64 | 8 WITH HERD-MATES   | 8           | 8,123                 | 4.8    | 390         | 53              | 7,854              | 359        |                   |            |
| STATES-                                 | 72          |               |                     |             |                       |        |             | OIFF.           | 269                | 31         |                   |            |
| 538478 SIR LEVITY OF NORWOOD FARM.....  |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| 03-28-58                                | 533622      | 1601883       | 12 NON-AI DAUGHTERS | 13          | 6,822                 | 4.7    | 320         |                 |                    |            |                   |            |
|   |             | LISTED, 03-64 | 10 WITH HERD-MATES  | 11          | 6,866                 | 4.7    | 325         | 10              | 6,995              | 323        |                   |            |
| STATES-                                 | 23          |               |                     |             |                       |        |             | OIFF.           | 129-               | 2          |                   |            |
| 538532 APPLEBROOK PEER-S PERFORMER..... |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| 07-26-57                                | 467122      | 1557288       | 19 NON-AI DAUGHTERS | 24          | 8,248                 | 5.4    | 442         |                 |                    |            |                   |            |
|   |             | LISTED, 11-63 | 19 WITH HERD-MATES  | 24          | 8,248                 | 5.4    | 442         | 15              | 9,692              | 495        |                   |            |
| STATES-                                 | 23          |               |                     |             |                       |        |             | OIFF.           | 1444-              | 53-        |                   |            |
| 538533 APPLEBROOK PEER-S SQUIRE.....    |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| 08-20-57                                | 467122      | 1368317       | 9 NON-AI DAUGHTERS  | 9           | 8,607                 | 4.6    | 394         |                 |                    |            |                   |            |
|   |             | LISTED, 11-63 | 9 WITH HERD-MATES   | 9           | 8,607                 | 4.6    | 394         | 16              | 9,608              | 431        |                   |            |
| STATES-                                 | 23          |               |                     |             |                       |        |             | OIFF.           | 1001-              | 37-        |                   |            |
| 538586 .....                            |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| STATES-                                 | 23          | 10            | NON-AI DAUGHTERS    | 10          | 8,168                 | 4.6    | 378         |                 |                    |            |                   |            |
|   |             | 9             | WITH HERD-MATES     | 9           | 8,298                 | 4.7    | 387         | 13              | 8,933              | 426        |                   |            |
|   |             |               |                     |             |                       |        |             | OIFF.           | 635-               | 39-        |                   |            |
| 538610 LAUXMONT VIKING.....             |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| 03-01-58                                | 435793      | 833065        | 15 NON-AI DAUGHTERS | 17          | 7,145                 | 5.0    | 357         |                 |                    |            |                   |            |
|   |             | LISTED, 03-64 | 15 WITH HERD-MATES  | 17          | 7,145                 | 5.0    | 357         | 16              | 7,972              | 389        |                   |            |
| STATES-                                 | 21          |               |                     |             |                       |        |             | OIFF.           | 827-               | 32-        |                   |            |
| 538612 LAUXMONT CAUCEUS.....            |             |               |                     |             |                       |        |             |                 |                    |            |                   |            |
| 03-15-58                                | 510148      | 1178521       | 8 NON-AI DAUGHTERS  | 8           | 9,514                 | 4.9    | 469         |                 |                    |            |                   |            |
|   |             | LISTED, 05-64 | 7 WITH HERD-MATES   | 7           | 9,600                 | 4.9    | 467         | 50              | 8,892              | 410        |                   |            |
| STATES-                                 | 23,51,58    |               |                     |             |                       |        |             | OIFF.           | 708                | 57         |                   |            |

## SIRE OF DHIA DAUGHTERS

|                |               |               |                     | AV. PRODUCTION | DF     | DAU. | ADJ. HERD-MATES | AV.    | PREDICTED | AV. |
|----------------|---------------|---------------|---------------------|----------------|--------|------|-----------------|--------|-----------|-----|
|                |               |               |                     | RECORDS        | MILK   | TEST | FAT             | AV.    | MILK      | FAT |
|                |               |               |                     | NUMBER         | L8     | %    | L8              | NUMBER | L8        | L8  |
| GUERNSEY       |               |               |                     |                |        |      |                 |        |           |     |
| 538618         | GILDERDALE    | GOLDER        | STARDUST.....       |                |        |      |                 |        |           |     |
| 04-19-57       | 501766        | 1155774       | 8 NDN-AI DAUGHTERS  | 12             | 9,172  | 5.2  | 475             |        |           |     |
|                |               | LISTED, 08-63 | 8 WITH HERD-MATES   | 12             | 9,172  | 5.2  | 475             | 22     | 10,454    | 514 |
| STATES-        | 16,21         |               |                     |                |        |      |                 | DIFF.  | 1282-     | 39- |
| 538681         | .....         |               |                     |                |        |      |                 |        |           |     |
|                |               |               | 5 NDN-AI DAUGHTERS  | 6              | 10,537 | 5.2  | 551             |        |           |     |
| STATES-        | 21,22,23      |               | 5 WITH HERD-MATES   | 6              | 10,537 | 5.2  | 551             | 45     | 10,296    | 523 |
|                |               |               |                     |                |        |      |                 | DIFF.  | 241       | 28  |
| 538695         | .....         |               |                     |                |        |      |                 |        |           |     |
|                |               |               | 6 NDN-AI DAUGHTERS  | 6              | 9,540  | 4.9  | 467             |        |           |     |
| STATES-        | 23,31         |               | 6 WITH HERD-MATES   | 6              | 9,540  | 4.9  | 467             | 22     | 8,230     | 391 |
|                |               |               |                     |                |        |      |                 | DIFF.  | 1310      | 76  |
| 538774         | WDDDACRES     | REGAL         | VALIANT.....        |                |        |      |                 |        |           |     |
| 09-09-57       | 524479        | 1534365       | 11 NDN-AI DAUGHTERS | 11             | 8,595  | 4.6  | 393             |        |           |     |
|                |               | LISTED, 03-64 | 11 WITH HERD-MATES  | 11             | 8,595  | 4.6  | 393             | 44     | 9,197     | 419 |
| STATES-        | 55            |               |                     |                |        |      |                 | DIFF.  | 602-      | 26- |
| 538839         | .....         |               |                     |                |        |      |                 |        |           |     |
|                |               |               | 9 NDN-AI DAUGHTERS  | 9              | 8,961  | 4.9  | 435             |        |           |     |
| STATES-        | 31            |               | 9 WITH HERD-MATES   | 9              | 8,961  | 4.9  | 435             | 2      | 9,691     | 474 |
|                |               |               |                     |                |        |      |                 | DIFF.  | 730-      | 39- |
| 538903         | .....         |               |                     |                |        |      |                 |        |           |     |
|                |               |               | 6 NDN-AI DAUGHTERS  | 6              | 9,715  | 4.4  | 424             |        |           |     |
| STATES-        | 14,16         |               | 6 WITH HERD-MATES   | 6              | 9,715  | 4.4  | 424             | 15     | 9,196     | 456 |
|                |               |               |                     |                |        |      |                 | DIFF.  | 519       | 32- |
| 538908         | MARLEA        | CZAR          | PULLMAN.....        |                |        |      |                 |        |           |     |
| 10-28-57       | 521071        | 1737374       | 11 NDN-AI DAUGHTERS | 14             | 9,501  | 4.7  | 446             |        |           |     |
|                |               | LISTED, 11-63 | 11 WITH HERD-MATES  | 14             | 9,501  | 4.7  | 446             | 50     | 9,890     | 464 |
| STATES-        | 85            |               |                     |                |        |      |                 | DIFF.  | 389-      | 18- |
| 539044         | FRANCHESTER   | MODEL-S       | PETER PAN.....      |                |        |      |                 |        |           |     |
| 11-04-57       | 506459        | 1405298       | 16 NDN-AI DAUGHTERS | 18             | 8,634  | 5.3  | 460             |        |           |     |
|                |               | LISTED, 03-64 | 14 WITH HERD-MATES  | 16             | 8,533  | 5.3  | 451             | 15     | 9,290     | 453 |
| STATES-        | 31            |               |                     |                |        |      |                 | DIFF.  | 757-      | 2-  |
| 539074         | .....         |               |                     |                |        |      |                 |        |           |     |
|                |               |               | 5 NDN-AI DAUGHTERS  | 6              | 7,113  | 4.9  | 350             |        |           |     |
| STATES-        | 48,73         |               | 5 WITH HERD-MATES   | 6              | 7,113  | 4.9  | 350             | 30     | 6,665     | 329 |
|                |               |               |                     |                |        |      |                 | DIFF.  | 448       | 21  |
| 539090         | GRAYCE FARMS  | FOREMDST-S    | VICTOR.....         |                |        |      |                 |        |           |     |
| 12-02-57       | 518090        | 1669394       | 10 NDN-AI DAUGHTERS | 15             | 9,926  | 4.7  | 468             |        |           |     |
|                |               | LISTED, 08-63 | 10 WITH HERD-MATES  | 15             | 9,926  | 4.7  | 468             | 8      | 9,592     | 494 |
| STATES-        | 23            |               |                     |                |        |      |                 | DIFF.  | 334       | 26- |
| 539095         | SPRING RIDGE  | VERITY-S      | MATADOR.....        |                |        |      |                 |        |           |     |
| 03-10-58       | 474583        | 1281517       | 15 NDN-AI DAUGHTERS | 17             | 9,425  | 5.0  | 472             |        |           |     |
|                |               | LISTED, 11-63 | 15 WITH HERD-MATES  | 17             | 9,425  | 5.0  | 472             | 14     | 9,530     | 466 |
| STATES-        | 33            |               |                     |                |        |      |                 | DIFF.  | 105-      | 6   |
| 539097         | IVY DAK       | ACTOR-S       | SPUTNIK.....        |                |        |      |                 |        |           |     |
| 10-09-57       | 458295        | 1283578       | 16 NDN-AI DAUGHTERS | 16             | 8,575  | 5.3  | 451             |        |           |     |
|                |               | LISTED, 11-63 | 16 WITH HERD-MATES  | 16             | 8,575  | 5.3  | 451             | 11     | 8,502     | 472 |
| STATES-        | 92            |               |                     |                |        |      |                 | DIFF.  | 73        | 21- |
| 539108         | .....         |               |                     |                |        |      |                 |        |           |     |
|                |               |               | 5 NDN-AI DAUGHTERS  | 5              | 7,110  | 5.1  | 363             |        |           |     |
| STATES-        | 52            |               | 5 WITH HERD-MATES   | 5              | 7,110  | 5.1  | 363             | 37     | 7,528     | 365 |
|                |               |               |                     |                |        |      |                 | DIFF.  | 418-      | 2-  |
| 539114         | GROVE FARM    | STEADFAST     | DDIN.....           |                |        |      |                 |        |           |     |
| 10-31-57       | 452454        | 1322061       | 8 NDN-AI DAUGHTERS  | 12             | 9,005  | 4.8  | 430             |        |           |     |
|                |               | LISTED, 03-64 | 8 WITH HERD-MATES   | 12             | 9,005  | 4.8  | 430             | 12     | 9,235     | 440 |
| STATES-        | 23,31,84      |               |                     |                |        |      |                 | DIFF.  | 230-      | 10- |
| 539144         | WESTERN GLOW  | MASTER        | BUTTERFAT.....      |                |        |      |                 |        |           |     |
| 04-02-58       | 522682        | 1419256       | 11 NDN-AI DAUGHTERS | 12             | 10,558 | 4.3  | 455             |        |           |     |
|                |               | LISTED, 03-64 | 11 WITH HERD-MATES  | 12             | 10,558 | 4.3  | 455             | 22     | 9,518     | 442 |
| STATES-        | 84            |               |                     |                |        |      |                 | DIFF.  | 1040      | 13  |
| 539152         | LAUXMONT      | WESTERN       | MAXIM.....          |                |        |      |                 |        |           |     |
| 04-27-58       | 510148        | 1587938       | 9 NDN-AI DAUGHTERS  | 12             | 7,634  | 4.4  | 336             |        |           |     |
|                |               | LISTED, 11-63 | 9 WITH HERD-MATES   | 12             | 7,634  | 4.4  | 336             | 8      | 7,162     | 331 |
| STATES-        | 42            |               |                     |                |        |      |                 | DIFF.  | 472       | 5   |
| 539171         | .....         |               |                     |                |        |      |                 |        |           |     |
|                |               |               | 5 NDN-AI DAUGHTERS  | 6              | 8,177  | 5.1  | 415             |        |           |     |
| STATES-        | 41            |               | 5 WITH HERD-MATES   | 5              | 8,412  | 5.1  | 427             | 9      | 7,720     | 370 |
|                |               |               |                     |                |        |      |                 | DIFF.  | 692       | 57  |
| 539182         | SANLD-S       | ROYAL         | JEWELL.....         |                |        |      |                 |        |           |     |
| 01-03-57       | 491611        | 788192        | 15 NDN-AI DAUGHTERS | 20             | 7,673  | 4.6  | 350             |        |           |     |
|                |               | LISTED, 03-64 | 15 WITH HERD-MATES  | 19             | 7,751  | 4.5  | 351             | 11     | 8,788     | 418 |
| STATES-        | 41            |               |                     |                |        |      |                 | DIFF.  | 1037-     | 67- |
| 539208         | .....         |               |                     |                |        |      |                 |        |           |     |
|                |               |               | 7 NDN-AI DAUGHTERS  | 7              | 8,783  | 4.8  | 422             |        |           |     |
| STATES-        | 32            |               | 7 WITH HERD-MATES   | 7              | 8,783  | 4.8  | 422             | 6      | 8,842     | 426 |
|                |               |               |                     |                |        |      |                 | DIFF.  | 59-       | 4-  |
| 539221         | PRESTDALE     | BDN           | VIGILENT.....       |                |        |      |                 |        |           |     |
| 02-07-58       | 496783        | 1655529       | 9 NDN-AI DAUGHTERS  | 9              | 10,086 | 5.0  | 503             |        |           |     |
|                |               | LISTED, 03-64 | 9 WITH HERD-MATES   | 9              | 10,086 | 5.0  | 503             | 17     | 8,892     | 435 |
| STATES-        | 48,71         |               |                     |                |        |      |                 | DIFF.  | 1194      | 68  |
| 539223         | PRESTDALE     | BDN           | ADVANCE.....        |                |        |      |                 |        |           |     |
| 05-01-58       | 496783        | 1171531       | 4 AI DAUGHTERS-04   |                |        |      |                 |        |           |     |
| AI STUD, 41-01 | LISTED, 05-64 |               | 4 WITH HERD-MATES   |                |        |      |                 |        |           |     |
| STATES-        | 41,82         |               |                     |                |        |      |                 |        |           |     |
|                |               |               | 2 NDN-AI DAUGHTERS  | 2              | 10,280 | 4.6  | 470             |        |           |     |
|                |               |               | 2 WITH HERD-MATES   | 2              | 10,280 | 4.6  | 470             | 14     | 10,000    | 480 |
|                |               |               |                     |                |        |      |                 | DIFF.  | 280       | 10- |



## SIREN OF DHIA DAUGHTERS

| GUERNSEY       |                                  |    |                  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | AV. FAT LB |
|----------------|----------------------------------|----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|------------|
| 539231         | SUNNYMEDE ACTOR-S LORD.....      |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 11-08-57       | 476002 1587651                   | 20 | NDN-AI DAUGHTERS | 26          | 6,634                 | 5.0    | 330         |                 |                    |            |                       |            |
|                | LISTED, 03-64                    | 19 | WITH HERD-MATES  | 25          | 6,598                 | 5.0    | 327         |                 |                    |            |                       |            |
| STATES- 42     |                                  |    |                  |             |                       |        |             | 9               | 7,337              | 353        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 739-               | 26-        |                       |            |
| 539273         | ELMHODD GARY.....                |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 02-23-58       | 526820 1346250                   | 16 | NDN-AI DAUGHTERS | 19          | 9,734                 | 4.5    | 436         |                 |                    |            |                       |            |
|                | LISTED, 03-64                    | 16 | WITH HERD-MATES  | 19          | 9,734                 | 4.5    | 436         |                 |                    |            |                       |            |
| STATES- 35,42  |                                  |    |                  |             |                       |        |             | 9               | 8,855              | 419        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 879                | 17         |                       |            |
| 539307         | .....                            |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                |                                  | 11 | NDN-AI DAUGHTERS | 17          | 9,933                 | 4.9    | 488         |                 |                    |            |                       |            |
| STATES- 42     |                                  | 11 | WITH HERD-MATES  | 17          | 9,933                 | 4.9    | 488         |                 |                    |            |                       |            |
|                |                                  |    |                  |             |                       |        |             | 22              | 8,445              | 424        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 1488               | 64         |                       |            |
| 539337         | .....                            |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                |                                  | 7  | NDN-AI DAUGHTERS | 10          | 9,056                 | 4.5    | 410         |                 |                    |            |                       |            |
| STATES- 31     |                                  | 7  | WITH HERD-MATES  | 10          | 9,056                 | 4.5    | 410         |                 |                    |            |                       |            |
|                |                                  |    |                  |             |                       |        |             | 14              | 9,021              | 430        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 35                 | 20-        |                       |            |
| 539392         | .....                            |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                |                                  | 7  | NDN-AI DAUGHTERS | 7           | 6,900                 | 4.9    | 340         |                 |                    |            |                       |            |
| STATES- 32     |                                  | 7  | WITH HERD-MATES  | 7           | 6,900                 | 4.9    | 340         |                 |                    |            |                       |            |
|                |                                  |    |                  |             |                       |        |             | 7               | 8,608              | 426        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 1708-              | 86-        |                       |            |
| 539412         | .....                            |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                |                                  | 5  | NDN-AI DAUGHTERS | 5           | 8,646                 | 5.6    | 482         |                 |                    |            |                       |            |
| STATES- 55,57  |                                  | 5  | WITH HERD-MATES  | 5           | 8,646                 | 5.6    | 482         |                 |                    |            |                       |            |
|                |                                  |    |                  |             |                       |        |             | 13              | 8,606              | 449        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 40                 | 33         |                       |            |
| 539419         | WYND SAINT-S HERD.....           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 11-02-57       | 429156 1482000                   | 9  | NDN-AI DAUGHTERS | 14          | 14,855                | 5.0    | 740         |                 |                    |            |                       |            |
| AI STUD, 63-02 | LISTED, 05-64                    | 9  | WITH HERD-MATES  | 14          | 14,855                | 5.0    | 740         |                 |                    |            |                       |            |
| STATES- 23,63  |                                  |    |                  |             |                       |        |             | 12              | 10,249             | 531        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 4606               | 209        |                       |            |
| 539441         | COLBYS GLADIATOR.....            |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 11-12-57       | 440484 1237543                   | 19 | NDN-AI DAUGHTERS | 24          | 9,002                 | 5.1    | 460         |                 |                    |            |                       |            |
|                | LISTED, 03-64                    | 19 | WITH HERD-MATES  | 24          | 9,002                 | 5.1    | 460         |                 |                    |            |                       |            |
| STATES- 23,34  |                                  |    |                  |             |                       |        |             | 26              | 9,876              | 492        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 874-               | 32-        |                       |            |
| 539442         | COLBY-S BRANDYWINE MAGAR.....    |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 11-28-57       | 493542 1581053                   | 16 | NDN-AI DAUGHTERS | 22          | 11,192                | 5.1    | 574         |                 |                    |            |                       |            |
|                | LISTED, 11-63                    | 16 | WITH HERD-MATES  | 22          | 11,192                | 5.1    | 574         |                 |                    |            |                       |            |
| STATES- 23     |                                  |    |                  |             |                       |        |             | 21              | 9,108              | 445        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 2084               | 129        |                       |            |
| 539452         | .....                            |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                |                                  | 6  | NDN-AI DAUGHTERS | 7           | 9,025                 | 5.1    | 463         |                 |                    |            |                       |            |
| STATES- 48,84  |                                  | 6  | WITH HERD-MATES  | 7           | 9,025                 | 5.1    | 463         |                 |                    |            |                       |            |
|                |                                  |    |                  |             |                       |        |             | 15              | 9,191              | 435        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 166-               | 28         |                       |            |
| 539467         | MCDONALD FARMS JOLLY BANKER..... |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 01-11-58       | 439587 1054588                   | 14 | NDN-AI DAUGHTERS | 14          | 8,863                 | 5.3    | 467         |                 |                    |            |                       |            |
|                | LISTED, 11-63                    | 14 | WITH HERD-MATES  | 14          | 8,863                 | 5.3    | 467         |                 |                    |            |                       |            |
| STATES- 23     |                                  |    |                  |             |                       |        |             | 12              | 10,589             | 528        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 1726-              | 61-        |                       |            |
| 539469         | .....                            |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                |                                  | 7  | NDN-AI DAUGHTERS | 7           | 9,767                 | 4.8    | 465         |                 |                    |            |                       |            |
| STATES- 35     |                                  | 5  | WITH HERD-MATES  | 5           | 9,222                 | 4.7    | 433         |                 |                    |            |                       |            |
|                |                                  |    |                  |             |                       |        |             | 12              | 9,133              | 420        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 89                 | 13         |                       |            |
| 539551         | SPAR HILL JOLLY NEPTUNE.....     |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 03-04-58       | 524993 927391                    | 13 | NDN-AI DAUGHTERS | 19          | 9,395                 | 4.6    | 433         |                 |                    |            |                       |            |
|                | LISTED, 08-63                    | 13 | WITH HERD-MATES  | 19          | 9,395                 | 4.6    | 433         |                 |                    |            |                       |            |
| STATES- 23     |                                  |    |                  |             |                       |        |             | 15              | 9,417              | 448        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 22-                | 15-        |                       |            |
| 539702         | .....                            |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                |                                  | 5  | NDN-AI DAUGHTERS | 5           | 10,822                | 4.3    | 466         |                 |                    |            |                       |            |
| STATES- 86     |                                  | 5  | WITH HERD-MATES  | 5           | 10,822                | 4.3    | 466         |                 |                    |            |                       |            |
|                |                                  |    |                  |             |                       |        |             | 43              | 9,108              | 401        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 1714               | 65         |                       |            |
| 539714         | KEREST PREDICTOR-S DAVEY.....    |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 11-30-57       | 503099 1601915                   | 21 | NDN-AI DAUGHTERS | 25          | 9,350                 | 4.8    | 452         |                 |                    |            |                       |            |
|                | LISTED, 11-63                    | 21 | WITH HERD-MATES  | 25          | 9,350                 | 4.8    | 452         |                 |                    |            |                       |            |
| STATES- 23     |                                  |    |                  |             |                       |        |             | 15              | 9,251              | 453        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 99                 | 1-         |                       |            |
| 539728         | .....                            |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                |                                  | 5  | NDN-AI DAUGHTERS | 5           | 7,876                 | 4.6    | 366         |                 |                    |            |                       |            |
| STATES- 65     |                                  | 5  | WITH HERD-MATES  | 5           | 7,876                 | 4.6    | 366         |                 |                    |            |                       |            |
|                |                                  |    |                  |             |                       |        |             | 6               | 7,040              | 323        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 836                | 43         |                       |            |
| 539822         | HIPP-S SUNSHINE ARCHIE.....      |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 10-30-57       | 522035 1134804                   | 9  | NDN-AI DAUGHTERS | 10          | 8,396                 | 4.3    | 361         |                 |                    |            |                       |            |
|                | LISTED, 03-64                    | 9  | WITH HERD-MATES  | 10          | 8,396                 | 4.3    | 361         |                 |                    |            |                       |            |
| STATES- 56     |                                  |    |                  |             |                       |        |             | 23              | 7,582              | 319        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 814                | 42         |                       |            |
| 539887         | SHADY KNOLL PLAYBOY.....         |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 11-21-54       | 463672 1234925                   | 8  | NDN-AI DAUGHTERS | 14          | 6,179                 | 4.6    | 282         |                 |                    |            |                       |            |
| STATES- 21     |                                  | 8  | WITH HERD-MATES  | 14          | 6,179                 | 4.6    | 282         |                 |                    |            |                       |            |
|                |                                  |    |                  |             |                       |        |             | 21              | 8,143              | 366        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 1964-              | 84-        |                       |            |
| 539902         | .....                            |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                |                                  | 5  | NDN-AI DAUGHTERS | 5           | 10,254                | 4.4    | 451         |                 |                    |            |                       |            |
| STATES- 43,72  |                                  | 5  | WITH HERD-MATES  | 5           | 10,254                | 4.4    | 451         |                 |                    |            |                       |            |
|                |                                  |    |                  |             |                       |        |             | 7               | 9,131              | 434        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 1123               | 17         |                       |            |
| 539904         | .....                            |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                |                                  | 5  | NDN-AI DAUGHTERS | 6           | 9,052                 | 5.1    | 461         |                 |                    |            |                       |            |
| STATES- 31     |                                  | 5  | WITH HERD-MATES  | 6           | 9,052                 | 5.1    | 461         |                 |                    |            |                       |            |
|                |                                  |    |                  |             |                       |        |             | 7               | 9,232              | 455        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 180-               | 6          |                       |            |
| 539909         | .....                            |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                |                                  | 6  | NDN-AI DAUGHTERS | 7           | 8,561                 | 4.8    | 415         |                 |                    |            |                       |            |
| STATES- 23     |                                  | 6  | WITH HERD-MATES  | 7           | 8,561                 | 4.8    | 415         |                 |                    |            |                       |            |
|                |                                  |    |                  |             |                       |        |             | 34              | 8,935              | 432        |                       |            |
|                |                                  |    |                  |             |                       |        |             | DIFF.           | 374-               | 17-        |                       |            |

## SIRE OF OHIA DAUGHTERS

| GUERNSEY       |   |  |  | AV. RECORDS | PRODUCTION OF MILK LBS | TEST % | EAU. FAT LBS | AOJ. AV. MILK LBS | HERO-MATES FAT LBS | AV. FAT LBS | PREDICTED MILK LBS | AV. FAT LBS |
|----------------|---|--|--|-------------|------------------------|--------|--------------|-------------------|--------------------|-------------|--------------------|-------------|
| 539953         | CEDAR CREST-S ROAMER KINGMAKER.....       |  |  |             |                        |        |              |                   |                    |             |                    |             |
| 08-15-57       | 505476 1488819 10 NON-AI DAUGHTERS        |  |  | 11          | 9,267                  | 4.9    | 458          |                   |                    |             |                    |             |
|                | LISTED, 03-64 10 WITH HERD-MATES          |  |  | 11          | 9,267                  | 4.9    | 458          | 19                | 9,417              | 454         |                    |             |
| STATES-        | 42,47                                     |  |  |             |                        |        |              | OIFF.             | 150-               | 4           |                    |             |
| 540002         | FISHER FARM ROYAL TOMMY.....              |  |  |             |                        |        |              |                   |                    |             |                    |             |
| 12-27-57       | 506499 1739230 10 NON-AI DAUGHTERS        |  |  | 13          | 8,102                  | 5.3    | 427          |                   |                    |             |                    |             |
|                | LISTED, 11-63 10 WITH HERD-MATES          |  |  | 13          | 8,102                  | 5.3    | 427          | 10                | 8,557              | 423         |                    |             |
| STATES-        | 12  |  |  |             |                        |        |              | OIFF.             | 455-               | 4           |                    |             |
| 540033         | MCDONALD FARMS JOLLY BRILLIANT.....       |  |  |             |                        |        |              |                   |                    |             |                    |             |
| 02-18-58       | 439587 1288237 17 NON-AI DAUGHTERS        |  |  | 17          | 10,448                 | 5.0    | 518          |                   |                    |             |                    |             |
|                | LISTED, 03-64 17 WITH HERD-MATES          |  |  | 17          | 10,448                 | 5.0    | 518          | 31                | 10,414             | 537         |                    |             |
| STATES-        | 21  |  |  |             |                        |        |              | OIFF.             | 34                 | 19-         |                    |             |
| 540075         | GRAYCE FARMS FOREMOST PEERLESS.....       |  |  |             |                        |        |              |                   |                    |             |                    |             |
| 04-10-58       | 518090 1245489 15 NON-AI DAUGHTERS        |  |  | 16          | 12,954                 | 4.4    | 569          |                   |                    |             |                    |             |
|                | LISTED, 11-63 15 WITH HERD-MATES          |  |  | 16          | 12,954                 | 4.4    | 569          | 27                | 12,507             | 548         |                    |             |
| STATES-        | 23  |  |  |             |                        |        |              | OIFF.             | 447                | 21          |                    |             |
| 540077         | .....                                     |  |  |             |                        |        |              |                   |                    |             |                    |             |
|                | 5 NON-AI DAUGHTERS                        |  |  | 5           | 9,036                  | 5.4    | 485          |                   |                    |             |                    |             |
| STATES-        | 23  |  |  | 5           | 9,036                  | 5.4    | 485          | 41                | 9,729              | 464         |                    |             |
|                | 5 WITH HERD-MATES                         |  |  |             |                        |        |              | OIFF.             | 693-               | 21          |                    |             |
| 540160         | ROETTA ROSE MASTER-S BUO.....             |  |  |             |                        |        |              |                   |                    |             |                    |             |
| 10-01-57       | 440558 1768707 22 NON-AI DAUGHTERS        |  |  | 27          | 10,209                 | 5.0    | 511          |                   |                    |             |                    |             |
| AI STUD, 35-02 | LISTED, 05-64 21 WITH HERD-MATES          |  |  | 25          | 10,373                 | 5.0    | 518          | 9                 | 10,915             | 548         |                    |             |
| STATES-        | 91,92                                     |  |  |             |                        |        |              | OIFF.             | 542-               | 30-         |                    |             |
| 540197         | IDEAL-S TRION.....                        |  |  |             |                        |        |              |                   |                    |             |                    |             |
| 05-06-57       | 448080 1452221 9 NON-AI DAUGHTERS         |  |  | 10          | 9,073                  | 4.9    | 445          |                   |                    |             |                    |             |
|                | LISTED, 05-64 9 WITH HERD-MATES           |  |  | 10          | 9,073                  | 4.9    | 445          | 34                | 9,842              | 488         |                    |             |
| STATES-        | 15,22,23,33,51,64,86                      |  |  |             |                        |        |              | OIFF.             | 769-               | 43-         |                    |             |
| 540198         | IDEAL-S FRANK.....                        |  |  |             |                        |        |              |                   |                    |             |                    |             |
| 07-27-57       | 448080 1476683 17 NON-AI DAUGHTERS        |  |  | 18          | 9,769                  | 5.0    | 493          |                   |                    |             |                    |             |
|                | LISTED, 05-64 17 WITH HERD-MATES          |  |  | 18          | 9,769                  | 5.0    | 493          | 38                | 10,245             | 520         |                    |             |
| STATES-        | 21,22,23,31,33,51                         |  |  |             |                        |        |              | OIFF.             | 476-               | 27-         |                    |             |
| 540203         | FAIRLAWN PAMELA-S WARRIOR.....            |  |  |             |                        |        |              |                   |                    |             |                    |             |
| 02-03-58       | 473833 1408562 16 NON-AI DAUGHTERS        |  |  | 16          | 10,490                 | 4.7    | 498          |                   |                    |             |                    |             |
| AI STUD, 72-01 | LISTED, 05-64 16 WITH HERD-MATES          |  |  | 16          | 10,490                 | 4.7    | 498          | 38                | 10,188             | 475         |                    |             |
| STATES-        | 72  |  |  |             |                        |        |              | OIFF.             | 302                | 23          |                    |             |
| 540231         | SUNESLOPES ELECTOR 808.....               |  |  |             |                        |        |              |                   |                    |             |                    |             |
| 12-18-57       | 508886 1494822 18 NON-AI DAUGHTERS        |  |  | 26          | 10,039                 | 4.9    | 496          |                   |                    |             |                    |             |
|                | LISTED, 08-63 18 WITH HERD-MATES          |  |  | 26          | 10,039                 | 4.9    | 496          | 25                | 9,611              | 488         |                    |             |
| STATES-        | 42  |  |  |             |                        |        |              | OIFF.             | 428                | 8           |                    |             |
| 540247         | .....                                     |  |  |             |                        |        |              |                   |                    |             |                    |             |
|                | 5 NON-AI DAUGHTERS                        |  |  | 8           | 8,718                  | 4.7    | 413          |                   |                    |             |                    |             |
| STATES-        | 82,91                                     |  |  | 6           | 8,570                  | 4.7    | 404          | 10                | 8,943              | 426         |                    |             |
|                | 4 WITH HERD-MATES                         |  |  |             |                        |        |              | OIFF.             | 373-               | 22-         |                    |             |
| 540297         | WYND SAINT-S ROYAL.....                   |  |  |             |                        |        |              |                   |                    |             |                    |             |
| 12-10-57       | 429156 1071517 8 NON-AI DAUGHTERS         |  |  | 8           | 7,733                  | 5.3    | 406          |                   |                    |             |                    |             |
|                | LISTED, 11-63 7 WITH HERD-MATES           |  |  | 7           | 7,581                  | 5.2    | 395          | 21                | 9,440              | 452         |                    |             |
| STATES-        | 23,93                                     |  |  |             |                        |        |              | OIFF.             | 1859-              | 57-         |                    |             |
| 540322         | IOEAL-S NARRATOR.....                     |  |  |             |                        |        |              |                   |                    |             |                    |             |
| 05-23-57       | 448080 1606855 44 AI DAUGHTERS-25*        |  |  | 47          | 7,412                  | 4.7    | 348          |                   |                    |             |                    |             |
| AI STUD, 33-03 | LISTED, 03-64 40 WITH HERD-MATES          |  |  | 43          | 7,589                  | 4.7    | 357          | 12                | 8,469              | 404         | 7,930              | 375         |
| STATES-        | 14,16,21,23,32,33,34,35,43,51,58,71,91,92 |  |  |             |                        |        |              | OIFF.             | 880-               | 47-         |                    |             |
| 540509         | .....                                     |  |  |             |                        |        |              |                   |                    |             |                    |             |
|                | 7 NON-AI DAUGHTERS                        |  |  | 7           | 8,006                  | 4.8    | 384          |                   |                    |             |                    |             |
| STATES-        | 11  |  |  | 7           | 8,006                  | 4.8    | 384          | 17                | 8,465              | 394         |                    |             |
|                | 7 WITH HERD-MATES                         |  |  |             |                        |        |              | OIFF.             | 459-               | 10-         |                    |             |
| 540510         | ROUGILLA BILL BALDY.....                  |  |  |             |                        |        |              |                   |                    |             |                    |             |
| 07-08-57       | 514061 1874748 26 NON-AI DAUGHTERS        |  |  | 26          | 8,013                  | 4.4    | 356          |                   |                    |             |                    |             |
|                | LISTED, 03-64 26 WITH HERD-MATES          |  |  | 26          | 8,013                  | 4.4    | 356          | 12                | 8,393              | 383         |                    |             |
| STATES-        | 11  |  |  |             |                        |        |              | OIFF.             | 380-               | 27-         |                    |             |
| 540577         | YELLOW CREEK HANOV KING.....              |  |  |             |                        |        |              |                   |                    |             |                    |             |
| 11-10-57       | 526747 1704721 8 NON-AI DAUGHTERS         |  |  | 9           | 7,679                  | 5.1    | 391          |                   |                    |             |                    |             |
|                | LISTED, 03-64 7 WITH HERD-MATES           |  |  | 8           | 8,054                  | 5.1    | 409          | 7                 | 9,005              | 425         |                    |             |
| STATES-        | 48  |  |  |             |                        |        |              | OIFF.             | 951-               | 16-         |                    |             |
| 540605         | .....                                     |  |  |             |                        |        |              |                   |                    |             |                    |             |
|                | 5 NON-AI DAUGHTERS                        |  |  | 5           | 6,916                  | 4.6    | 320          |                   |                    |             |                    |             |
| STATES-        | 21  |  |  | 5           | 6,916                  | 4.6    | 320          | 8                 | 8,460              | 390         |                    |             |
|                | 5 WITH HERD-MATES                         |  |  |             |                        |        |              | OIFF.             | 1544-              | 70-         |                    |             |
| 540608         | .....                                     |  |  |             |                        |        |              |                   |                    |             |                    |             |
|                | 5 NON-AI DAUGHTERS                        |  |  | 5           | 8,132                  | 4.8    | 392          |                   |                    |             |                    |             |
| STATES-        | 23  |  |  | 4           | 8,230                  | 4.5    | 372          | 8                 | 9,984              | 467         |                    |             |
|                | 4 WITH HERD-MATES                         |  |  |             |                        |        |              | OIFF.             | 1754-              | 95-         |                    |             |
| 540615         | .....                                     |  |  |             |                        |        |              |                   |                    |             |                    |             |
|                | 5 NON-AI DAUGHTERS                        |  |  | 5           | 7,568                  | 4.9    | 374          |                   |                    |             |                    |             |
| STATES-        | 31  |  |  | 5           | 7,568                  | 4.9    | 374          | 15                | 9,371              | 445         |                    |             |
|                | 5 WITH HERD-MATES                         |  |  |             |                        |        |              | OIFF.             | 1803-              | 71-         |                    |             |
| 540619         | DEEP LAKE F. MAXHIST.....                 |  |  |             |                        |        |              |                   |                    |             |                    |             |
| 07-24-57       | 475548 1533423 21 NON-AI DAUGHTERS        |  |  | 29          | 9,519                  | 4.9    | 466          |                   |                    |             |                    |             |
|                | LISTED, 08-63 21 WITH HERD-MATES          |  |  | 29          | 9,519                  | 4.9    | 466          | 20                | 9,570              | 463         |                    |             |
| STATES-        | 16  |  |  |             |                        |        |              | OIFF.             | 51-                | 3           |                    |             |
| 540625         | .....                                     |  |  |             |                        |        |              |                   |                    |             |                    |             |
|                | 7 NON-AI DAUGHTERS                        |  |  | 8           | 7,745                  | 4.7    | 367          |                   |                    |             |                    |             |
| STATES-        | 23,52                                     |  |  | 8           | 7,745                  | 4.7    | 367          | 29                | 8,092              | 383         |                    |             |
|                | 7 WITH HERD-MATES                         |  |  |             |                        |        |              | OIFF.             | 347-               | 16-         |                    |             |

## SIRE OF OHIA DAUGHTERS

| GUERNSEY                  |                                     |    |                  | AV. PRODUCTION OF |        |      |     | AOJ. HERO-MATES |        |     | PREOICTED AV. |     |
|---------------------------|-------------------------------------|----|------------------|-------------------|--------|------|-----|-----------------|--------|-----|---------------|-----|
|                           |                                     |    |                  | RECORDS           | MILK   | TEST | FAT | AV.             | MILK   | FAT | MILK          | FAT |
|                           |                                     |    |                  | NUMBER            | LB     | %    | LB  | NUMBER          | LB     | LB  | LB            | LB  |
| 540627                    | GUERNSEY LAND FAITHFUL-S JANUS..... |    |                  |                   |        |      |     |                 |        |     |               |     |
| 08-15-57                  | 523717 1514633                      | 12 | NON-AI DAUGHTERS | 19                | 11,888 | 4.9  | 578 |                 |        |     |               |     |
| AI STUO, 31-01            | LISTEO, 03-64                       | 12 | WITH HERD-MATES  | 19                | 11,888 | 4.9  | 578 | 44              | 9,488  | 475 |               |     |
| STATES- 63                |                                     |    |                  |                   |        |      |     | OIFF.           | 2400   | 103 |               |     |
| 540638                    | .....                               |    |                  |                   |        |      |     |                 |        |     |               |     |
|                           |                                     | 5  | NON-AI DAUGHTERS | 5                 | 11,900 | 5.5  | 650 |                 |        |     |               |     |
| STATES- 16,47             |                                     | 5  | WITH HERD-MATES  | 5                 | 11,900 | 5.5  | 650 | 22              | 12,615 | 615 |               |     |
|                           |                                     |    |                  |                   |        |      |     | OIFF.           | 715-   | 35  |               |     |
| 540639                    | HI-00T SCHULTZ-S BILLY.....         |    |                  |                   |        |      |     |                 |        |     |               |     |
| 01-16-58                  | 524259 1190489                      | 13 | NON-AI DAUGHTERS | 18                | 10,202 | 5.0  | 507 |                 |        |     |               |     |
|                           | LISTEO, 11-63                       | 13 | WITH HERD-MATES  | 18                | 10,202 | 5.0  | 507 | 4               | 9,574  | 471 |               |     |
| STATES- 33                |                                     |    |                  |                   |        |      |     | OIFF.           | 628    | 36  |               |     |
| 540671                    | .....                               |    |                  |                   |        |      |     |                 |        |     |               |     |
|                           |                                     | 5  | NON-AI DAUGHTERS | 5                 | 7,902  | 4.5  | 358 |                 |        |     |               |     |
| STATES- 54                |                                     | 5  | WITH HERD-MATES  | 5                 | 7,902  | 4.5  | 358 | 10              | 8,641  | 405 |               |     |
|                           |                                     |    |                  |                   |        |      |     | OIFF.           | 739-   | 47- |               |     |
| 540705                    | DEEPLAKE BUTTERFAT CHERUB.....      |    |                  |                   |        |      |     |                 |        |     |               |     |
| 11-02-57                  | 431323 1522505                      | 8  | NON-AI DAUGHTERS | 10                | 9,824  | 4.9  | 484 |                 |        |     |               |     |
|                           | LISTEO, 05-64                       | 8  | WITH HERD-MATES  | 10                | 9,824  | 4.9  | 484 | 17              | 9,521  | 481 |               |     |
| STATES- 32,48             |                                     |    |                  |                   |        |      |     | OIFF.           | 303    | 3   |               |     |
| 540722                    | HERMITAGE VIEW FORE 8EECHWOOD.....  |    |                  |                   |        |      |     |                 |        |     |               |     |
| 05-23-58                  | 515718 761246                       | 11 | NON-AI DAUGHTERS | 12                | 5,795  | 4.9  | 284 |                 |        |     |               |     |
|                           | LISTEO, 03-64                       | 11 | WITH HERD-MATES  | 12                | 5,795  | 4.9  | 284 | 14              | 6,815  | 330 |               |     |
| STATES- 63                |                                     |    |                  |                   |        |      |     | OIFF.           | 1020-  | 46- |               |     |
| 540745                    | .....                               |    |                  |                   |        |      |     |                 |        |     |               |     |
|                           |                                     | 6  | NON-AI DAUGHTERS | 6                 | 8,665  | 5.3  | 456 |                 |        |     |               |     |
| STATES- 32                |                                     | 6  | WITH HERD-MATES  | 6                 | 8,665  | 5.3  | 456 | 7               | 9,318  | 465 |               |     |
|                           |                                     |    |                  |                   |        |      |     | OIFF.           | 653-   | 9-  |               |     |
| 540752                    | SAN ANGELO ALFREO.....              |    |                  |                   |        |      |     |                 |        |     |               |     |
| 02-09-58                  | 514321 1415035                      | 14 | NON-AI DAUGHTERS | 20                | 8,128  | 5.1  | 412 |                 |        |     |               |     |
|                           | LISTEO, 11-63                       | 14 | WITH HERD-MATES  | 20                | 8,128  | 5.1  | 412 | 17              | 8,311  | 411 |               |     |
| STATES- 52                |                                     |    |                  |                   |        |      |     | OIFF.           | 183-   | 1   |               |     |
| 540814                    | GRAND VIEW MODEL-S HECTOR.....      |    |                  |                   |        |      |     |                 |        |     |               |     |
| 02-14-58                  | 495408 1230475                      | 12 | NON-AI DAUGHTERS | 14                | 9,733  | 4.7  | 459 |                 |        |     |               |     |
|                           | LISTEO, 03-64                       | 12 | WITH HERD-MATES  | 14                | 9,733  | 4.7  | 459 | 25              | 9,320  | 426 |               |     |
| STATES- 23,55,56,58,64,72 |                                     |    |                  |                   |        |      |     | OIFF.           | 413    | 33  |               |     |
| 540862                    | .....                               |    |                  |                   |        |      |     |                 |        |     |               |     |
|                           |                                     | 8  | NON-AI DAUGHTERS | 11                | 8,718  | 4.7  | 411 |                 |        |     |               |     |
| STATES- 23                |                                     | 8  | WITH HERD-MATES  | 11                | 8,718  | 4.7  | 411 | 12              | 9,056  | 418 |               |     |
|                           |                                     |    |                  |                   |        |      |     | OIFF.           | 338-   | 7-  |               |     |
| 540888                    | POND ACRE FARM-S F. FLICKER.....    |    |                  |                   |        |      |     |                 |        |     |               |     |
| 07-31-57                  | 475548 1078459                      | 17 | NON-AI DAUGHTERS | 24                | 11,243 | 4.9  | 547 |                 |        |     |               |     |
| AI STUO, 72-01            | LISTEO, 08-63                       | 17 | WITH HERD-MATES  | 24                | 11,243 | 4.9  | 547 | 15              | 10,427 | 493 |               |     |
| STATES- 21                |                                     |    |                  |                   |        |      |     | OIFF.           | 816    | 54  |               |     |
| 540922                    | SHAMROCK PEER-S OIMONO.....         |    |                  |                   |        |      |     |                 |        |     |               |     |
| 12-08-57                  | 404433 1418367                      | 14 | NON-AI DAUGHTERS | 16                | 7,149  | 4.9  | 353 |                 |        |     |               |     |
|                           | LISTEO, 11-63                       | 14 | WITH HERD-MATES  | 16                | 7,149  | 4.9  | 353 | 15              | 7,111  | 334 |               |     |
| STATES- 87                |                                     |    |                  |                   |        |      |     | OIFF.           | 38     | 19  |               |     |
| 540933                    | .....                               |    |                  |                   |        |      |     |                 |        |     |               |     |
|                           |                                     | 6  | NON-AI DAUGHTERS | 6                 | 6,962  | 5.2  | 364 |                 |        |     |               |     |
| STATES- 32                |                                     | 6  | WITH HERD-MATES  | 6                 | 6,962  | 5.2  | 364 | 22              | 7,555  | 376 |               |     |
|                           |                                     |    |                  |                   |        |      |     | OIFF.           | 593-   | 12- |               |     |
| 540953                    | .....                               |    |                  |                   |        |      |     |                 |        |     |               |     |
|                           |                                     | 5  | AI DAUGHTERS-04  | 5                 | 7,914  | 4.3  | 339 |                 |        |     |               |     |
| AI STUO, 56-02            |                                     | 5  | WITH HERD-MATES  | 5                 | 7,914  | 4.3  | 339 | 42              | 7,888  | 339 | 8,596         | 409 |
| STATES- 56                |                                     |    |                  |                   |        |      |     | OIFF.           | 26     |     |               |     |
| 540975                    | .....                               |    |                  |                   |        |      |     |                 |        |     |               |     |
|                           |                                     | 5  | NON-AI DAUGHTERS | 5                 | 7,344  | 4.9  | 362 |                 |        |     |               |     |
| STATES- 91                |                                     | 4  | WITH HERD-MATES  | 4                 | 7,030  | 4.8  | 335 | 29              | 8,279  | 405 |               |     |
|                           |                                     |    |                  |                   |        |      |     | OIFF.           | 1249-  | 70- |               |     |
| 541009                    | MULHOCWAY BUTTERFAT KING HAL.....   |    |                  |                   |        |      |     |                 |        |     |               |     |
| 05-12-58                  | 493764 1217600                      | 10 | AI DAUGHTERS-07  | 10                | 10,140 | 4.9  | 495 |                 |        |     |               |     |
| AI STUO, 35-05            | LISTEO, 05-64                       | 10 | WITH HERD-MATES  | 10                | 10,140 | 4.9  | 495 | 24              | 9,948  | 468 | 8,756         | 426 |
| STATES- 22,35,41          |                                     |    |                  |                   |        |      |     | OIFF.           | 192    | 27  |               |     |
| 541049                    | GROTON HOUSE CAESAR-S JO.....       |    |                  |                   |        |      |     |                 |        |     |               |     |
| 03-28-58                  | 484916 1145121                      | 11 | NON-AI DAUGHTERS | 11                | 10,333 | 4.5  | 461 |                 |        |     |               |     |
|                           | LISTEO, 05-64                       | 11 | WITH HERD-MATES  | 11                | 10,333 | 4.5  | 461 | 10              | 9,982  | 515 |               |     |
| STATES- 14                |                                     |    |                  |                   |        |      |     | OIFF.           | 351    | 54- |               |     |
| 541091                    | MAPLE DAWN WINOSOR-S FORCE.....     |    |                  |                   |        |      |     |                 |        |     |               |     |
| 03-12-58                  | 523127 1699957                      | 12 | NON-AI DAUGHTERS | 16                | 11,777 | 4.8  | 565 |                 |        |     |               |     |
| AI STUO, 34-01            | LISTEO, 11-63                       | 12 | WITH HERD-MATES  | 16                | 11,777 | 4.8  | 565 | 12              | 10,009 | 498 |               |     |
| STATES- 34                |                                     |    |                  |                   |        |      |     | OIFF.           | 1768   | 67  |               |     |
| 541105                    | MCOONALO FARMS R. L. BRANNOON.....  |    |                  |                   |        |      |     |                 |        |     |               |     |
| 04-26-58                  | 487032 1182322                      | 12 | NON-AI DAUGHTERS | 12                | 10,788 | 4.9  | 534 |                 |        |     |               |     |
|                           | LISTEO, 03-64                       | 12 | WITH HERD-MATES  | 12                | 10,788 | 4.9  | 534 | 9               | 9,462  | 475 |               |     |
| STATES- 33                |                                     |    |                  |                   |        |      |     | OIFF.           | 1326   | 59  |               |     |
| 541114                    | .....                               |    |                  |                   |        |      |     |                 |        |     |               |     |
|                           |                                     | 12 | NON-AI DAUGHTERS | 12                | 12,389 | 5.4  | 668 |                 |        |     |               |     |
| STATES- 43                |                                     | 12 | WITH HERD-MATES  | 12                | 12,389 | 5.4  | 668 | 6               | 11,598 | 592 |               |     |
|                           |                                     |    |                  |                   |        |      |     | OIFF.           | 791    | 76  |               |     |
| 541140                    | MAPLE LEAF ROYAL LAD.....           |    |                  |                   |        |      |     |                 |        |     |               |     |
| 01-11-58                  | 458927 1513245                      | 9  | NON-AI DAUGHTERS | 11                | 10,743 | 4.7  | 509 |                 |        |     |               |     |
| AI STUO, 41-25            | LISTEO, 03-64                       | 8  | WITH HERD-MATES  | 10                | 11,080 | 4.8  | 530 | 22              | 11,123 | 536 |               |     |
| STATES- 41,42             |                                     |    |                  |                   |        |      |     | OIFF.           | 43-    | 6-  |               |     |



## SIRE OF OHIA DAUGHTERS

| GUERNSEY                                  | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERO-MATES AV. |            |           | PREDICTED AV. |           |
|---|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|   | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 541168 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 34                                | 6                      | 3,933      | 4.5       | 176       |                     |            |           |               |           |
|   | 6                      | 3,933      | 4.5       | 176       | 8                   | 6,204      | 290       |               |           |
|   |                        |            |           |           | DIFF.               | 2271-      | 114-      |               |           |
| 541171 COOPER-S IMPROVER-S HILT.....      |                        |            |           |           |                     |            |           |               |           |
| 02-05-58 457925 1551807 11                | 14                     | 7,583      | 4.8       | 366       |                     |            |           |               |           |
| LISTED, 03-64 11                          | 14                     | 7,583      | 4.8       | 366       | 20                  | 7,732      | 362       |               |           |
| STATES- 73                                |                        |            |           |           | DIFF.               | 149-       | 4         |               |           |
| 541213 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 21                                | 5                      | 7,370      | 4.6       | 340       |                     |            |           |               |           |
|   | 5                      | 7,370      | 4.6       | 340       | 12                  | 7,814      | 363       |               |           |
|   |                        |            |           |           | DIFF.               | 444-       | 23-       |               |           |
| 541258 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 22,23                             | 5                      | 9,099      | 5.2       | 471       |                     |            |           |               |           |
|   | 5                      | 9,099      | 5.2       | 471       | 40                  | 9,428      | 481       |               |           |
|   |                        |            |           |           | DIFF.               | 329-       | 10-       |               |           |
| 541271 IDEAL-S W. S. TETDN.....           |                        |            |           |           |                     |            |           |               |           |
| 04-23-58 532698 1518237 15                | 16                     | 9,081      | 5.0       | 458       |                     |            |           |               |           |
| LISTED, 03-64 15                          | 16                     | 9,081      | 5.0       | 458       | 40                  | 9,765      | 488       |               |           |
| STATES- 23                                |                        |            |           |           | DIFF.               | 684-       | 30-       |               |           |
| 541298 GLENGERAN FORTUNE-S OICTA LAO..... |                        |            |           |           |                     |            |           |               |           |
| 02-08-57 510634 1297494 14                | 19                     | 10,122     | 5.1       | 513       |                     |            |           |               |           |
| LISTED, 11-63 14                          | 19                     | 10,122     | 5.1       | 513       | 8                   | 10,709     | 482       |               |           |
| STATES- 51                                |                        |            |           |           | DIFF.               | 587-       | 31        |               |           |
| 541305 ALVADEAN HONORABLE.....            |                        |            |           |           |                     |            |           |               |           |
| 02-04-58 521039 1640756 14                | 17                     | 8,666      | 4.8       | 419       |                     |            |           |               |           |
| LISTED, 11-63 14                          | 17                     | 8,666      | 4.8       | 419       | 11                  | 9,547      | 456       |               |           |
| STATES- 35                                |                        |            |           |           | DIFF.               | 881-       | 37-       |               |           |
| 541338 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 14,16                             | 6                      | 7,178      | 4.7       | 340       |                     |            |           |               |           |
|   | 5                      | 7,470      | 4.7       | 353       | 7                   | 8,006      | 353       |               |           |
|   |                        |            |           |           | DIFF.               | 536-       |           |               |           |
| 541350 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 31                                | 6                      | 7,845      | 4.7       | 366       |                     |            |           |               |           |
|   | 6                      | 7,845      | 4.7       | 366       | 16                  | 7,895      | 375       |               |           |
|   |                        |            |           |           | DIFF.               | 50-        | 9-        |               |           |
| 541447 LOCKSHIRE IRENE-S SUPREME.....     |                        |            |           |           |                     |            |           |               |           |
| 03-27-58 475595 1177572 8                 | 8                      | 11,674     | 4.8       | 562       |                     |            |           |               |           |
| LISTED, 03-64 8                           | 8                      | 11,674     | 4.8       | 562       | 40                  | 10,485     | 492       |               |           |
| STATES- 34                                |                        |            |           |           | DIFF.               | 1189       | 70        |               |           |
| 541507 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                                | 5                      | 9,747      | 4.6       | 453       |                     |            |           |               |           |
|   | 5                      | 9,747      | 4.6       | 453       | 10                  | 10,023     | 513       |               |           |
|   |                        |            |           |           | DIFF.               | 276-       | 60-       |               |           |
| 541530 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 22                                | 7                      | 7,401      | 5.3       | 392       |                     |            |           |               |           |
|   | 7                      | 7,401      | 5.3       | 392       | 40                  | 9,292      | 427       |               |           |
|   |                        |            |           |           | DIFF.               | 1891-      | 35-       |               |           |
| 541586 LEA-DALE-S C.F. VICEROY.....       |                        |            |           |           |                     |            |           |               |           |
| 04-03-58 515455 883627 11                 | 12                     | 7,240      | 4.8       | 344       |                     |            |           |               |           |
| LISTED, 11-63 11                          | 12                     | 7,240      | 4.8       | 344       | 12                  | 8,402      | 381       |               |           |
| STATES- 33                                |                        |            |           |           | DIFF.               | 1162-      | 37-       |               |           |
| 541609 HILL GIRT R. L. BLAZE.....         |                        |            |           |           |                     |            |           |               |           |
| 08-03-58 502634 1318830 9                 | 9                      | 8,339      | 4.7       | 394       |                     |            |           |               |           |
| LISTED, 03-64 9                           | 9                      | 8,339      | 4.7       | 394       | 20                  | 9,546      | 450       |               |           |
| STATES- 23                                |                        |            |           |           | DIFF.               | 1207-      | 56-       |               |           |
| 541610 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                                | 6                      | 9,828      | 4.9       | 481       |                     |            |           |               |           |
|   | 6                      | 9,828      | 4.9       | 481       | 11                  | 10,211     | 501       |               |           |
|   |                        |            |           |           | DIFF.               | 383-       | 20-       |               |           |
| 541622 STEVER-S DOUGLAS CEASER.....       |                        |            |           |           |                     |            |           |               |           |
| 03-13-57 496124 1007822 8                 | 13                     | 10,403     | 4.9       | 513       |                     |            |           |               |           |
| STATES- 21                                | 8                      | 10,403     | 4.9       | 513       | 21                  | 10,374     | 498       |               |           |
|   |                        |            |           |           | DIFF.               | 29         | 15        |               |           |
| 541672 HOLLIKNDLL ELECT.....              |                        |            |           |           |                     |            |           |               |           |
| 04-12-58 496783 1307224 9                 | 9                      | 10,033     | 5.0       | 502       |                     |            |           |               |           |
| LISTED, 05-64 9                           | 9                      | 10,033     | 5.0       | 502       | 34                  | 10,027     | 487       |               |           |
| STATES- 52,55                             |                        |            |           |           | DIFF.               | 6          | 15        |               |           |
| 541674 HOLLIKNDLL 8DND-S EMBASSADDR.....  |                        |            |           |           |                     |            |           |               |           |
| 04-19-58 446227 1245016 17                | 19                     | 9,506      | 4.8       | 459       |                     |            |           |               |           |
| AI STUD, 52-01 LISTED, 05-64 17           | 19                     | 9,506      | 4.8       | 459       | 28                  | 8,712      | 423       | 9,075         | 432       |
| STATES- 52                                |                        |            |           |           | DIFF.               | 794        | 36        |               |           |
|   | 1                      | 11,040     | 5.1       | 560       |                     |            |           |               |           |
|   | 1                      | 11,040     | 5.1       | 560       | 26                  | 10,881     | 560       |               |           |
|   |                        |            |           |           | DIFF.               | 159        |           |               |           |
| 541676 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 52                                | 6                      | 9,843      | 4.8       | 473       |                     |            |           |               |           |
|   | 6                      | 9,843      | 4.8       | 473       | 38                  | 9,669      | 461       |               |           |
|   |                        |            |           |           | DIFF.               | 174        | 12        |               |           |
| 541680 .....                              |                        |            |           |           |                     |            |           |               |           |
| STATES- 51                                | 5                      | 6,614      | 4.5       | 295       |                     |            |           |               |           |
|   | 5                      | 6,614      | 4.5       | 295       | 10                  | 6,888      | 314       |               |           |
|   |                        |            |           |           | DIFF.               | 274-       | 19-       |               |           |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY |                                     |    |                  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|----------|-------------------------------------|----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 541734   | RDCK HAVEN SUNRISE-S BUTTERFAT..... |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 07-27-56 | 482542 1252464                      | 9  | NDN-AI DAUGHTERS | 13          | 7,684                 | 4.9    | 373         |                 |                    |            |                   |            |
| STATES-  | 87,91,92                            | 9  | WITH HERD-MATES  | 13          | 7,684                 | 4.9    | 373         | 13              | 7,666              | 385        |                   |            |
|          |                                     |    |                  |             |                       |        |             | DIFF.           | 18                 | 12-        |                   |            |
| 541736   | .....                               |    |                  |             |                       |        |             |                 |                    |            |                   |            |
|          |                                     | 9  | NDN-AI DAUGHTERS | 10          | 7,919                 | 4.9    | 387         |                 |                    |            |                   |            |
| STATES-  | 87,91                               | 9  | WITH HERD-MATES  | 10          | 7,919                 | 4.9    | 387         | 19              | 7,557              | 363        |                   |            |
|          |                                     |    |                  |             |                       |        |             | DIFF.           | 362                | 24         |                   |            |
| 541742   | .....                               |    |                  |             |                       |        |             |                 |                    |            |                   |            |
|          |                                     | 5  | NDN-AI DAUGHTERS | 5           | 11,236                | 5.0    | 557         |                 |                    |            |                   |            |
| STATES-  | 11                                  | 5  | WITH HERD-MATES  | 5           | 11,236                | 5.0    | 557         | 21              | 10,358             | 516        |                   |            |
|          |                                     |    |                  |             |                       |        |             | DIFF.           | 878                | 41         |                   |            |
| 541798   | CROSSRDAD-S KNIGHT-S CHAMP.....     |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 08-10-57 | 519139 1453239                      | 11 | NDN-AI DAUGHTERS | 15          | 6,855                 | 5.6    | 387         |                 |                    |            |                   |            |
|          | LISTED, 05-64                       | 11 | WITH HERD-MATES  | 15          | 6,855                 | 5.6    | 387         | 5               | 7,597              | 392        |                   |            |
| STATES-  | 55                                  |    |                  |             |                       |        |             | DIFF.           | 742-               | 5-         |                   |            |
| 541801   | .....                               |    |                  |             |                       |        |             |                 |                    |            |                   |            |
|          |                                     | 5  | NDN-AI DAUGHTERS | 5           | 10,324                | 4.5    | 461         |                 |                    |            |                   |            |
| STATES-  | 31                                  | 5  | WITH HERD-MATES  | 5           | 10,324                | 4.5    | 461         | 28              | 10,135             | 488        |                   |            |
|          |                                     |    |                  |             |                       |        |             | DIFF.           | 189                | 27-        |                   |            |
| 541846   | EAST MALTA-S KELVIN.....            |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 11-23-57 | 508048 1593060                      | 14 | NDN-AI DAUGHTERS | 20          | 7,558                 | 4.9    | 371         |                 |                    |            |                   |            |
|          | LISTED, 03-64                       | 14 | WITH HERD-MATES  | 20          | 7,558                 | 4.9    | 371         | 16              | 8,110              | 400        |                   |            |
| STATES-  | 23                                  |    |                  |             |                       |        |             | DIFF.           | 552-               | 29-        |                   |            |
| 541865   | .....                               |    |                  |             |                       |        |             |                 |                    |            |                   |            |
|          |                                     | 5  | NDN-AI DAUGHTERS | 7           | 8,738                 | 4.8    | 416         |                 |                    |            |                   |            |
| STATES-  | 51                                  | 5  | WITH HERD-MATES  | 7           | 8,738                 | 4.8    | 416         | 24              | 8,348              | 404        |                   |            |
|          |                                     |    |                  |             |                       |        |             | DIFF.           | 390                | 12         |                   |            |
| 541890   | .....                               |    |                  |             |                       |        |             |                 |                    |            |                   |            |
|          |                                     | 5  | NDN-AI DAUGHTERS | 5           | 8,010                 | 5.0    | 404         |                 |                    |            |                   |            |
| STATES-  | 21                                  | 5  | WITH HERD-MATES  | 5           | 8,010                 | 5.0    | 404         | 10              | 9,189              | 455        |                   |            |
|          |                                     |    |                  |             |                       |        |             | DIFF.           | 1179-              | 51-        |                   |            |
| 541903   | .....                               |    |                  |             |                       |        |             |                 |                    |            |                   |            |
|          |                                     | 6  | NDN-AI DAUGHTERS | 6           | 10,383                | 5.0    | 517         |                 |                    |            |                   |            |
| STATES-  | 23                                  | 6  | WITH HERD-MATES  | 6           | 10,383                | 5.0    | 517         | 51              | 10,271             | 490        |                   |            |
|          |                                     |    |                  |             |                       |        |             | DIFF.           | 112                | 27         |                   |            |
| 541972   | .....                               |    |                  |             |                       |        |             |                 |                    |            |                   |            |
|          |                                     | 7  | NDN-AI DAUGHTERS | 7           | 9,151                 | 4.6    | 425         |                 |                    |            |                   |            |
| STATES-  | 31                                  | 7  | WITH HERD-MATES  | 7           | 9,151                 | 4.6    | 425         | 10              | 9,647              | 442        |                   |            |
|          |                                     |    |                  |             |                       |        |             | DIFF.           | 496-               | 17-        |                   |            |
| 541981   | .....                               |    |                  |             |                       |        |             |                 |                    |            |                   |            |
|          |                                     | 6  | NDN-AI DAUGHTERS | 6           | 10,412                | 5.0    | 521         |                 |                    |            |                   |            |
| STATES-  | 43                                  | 6  | WITH HERD-MATES  | 6           | 10,412                | 5.0    | 521         | 6               | 9,085              | 447        |                   |            |
|          |                                     |    |                  |             |                       |        |             | DIFF.           | 1327               | 74         |                   |            |
| 542066   | HABE-S ACE HIGH.....                |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 01-03-57 | 500629 1392538                      | 8  | NDN-AI DAUGHTERS | 8           | 5,708                 | 4.3    | 246         |                 |                    |            |                   |            |
|          | LISTED, 05-64                       | 7  | WITH HERD-MATES  | 7           | 5,386                 | 4.5    | 240         | 46              | 5,814              | 256        |                   |            |
| STATES-  | 65                                  |    |                  |             |                       |        |             | DIFF.           | 428-               | 16-        |                   |            |
| 542084   | .....                               |    |                  |             |                       |        |             |                 |                    |            |                   |            |
|          |                                     | 9  | NDN-AI DAUGHTERS | 9           | 9,343                 | 4.8    | 445         |                 |                    |            |                   |            |
| STATES-  | 31                                  | 9  | WITH HERD-MATES  | 9           | 9,343                 | 4.8    | 445         | 8               | 9,738              | 453        |                   |            |
|          |                                     |    |                  |             |                       |        |             | DIFF.           | 395-               | 8-         |                   |            |
| 542086   | .....                               |    |                  |             |                       |        |             |                 |                    |            |                   |            |
|          |                                     | 12 | NDN-AI DAUGHTERS | 12          | 7,615                 | 5.0    | 380         |                 |                    |            |                   |            |
| STATES-  | 48                                  | 12 | WITH HERD-MATES  | 12          | 7,615                 | 5.0    | 380         | 5               | 7,493              | 355        |                   |            |
|          |                                     |    |                  |             |                       |        |             | DIFF.           | 122                | 25         |                   |            |
| 542123   | FAIRY FELLOW PET.....               |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 04-04-57 | 451597 1503453                      | 8  | NDN-AI DAUGHTERS | 12          | 10,555                | 4.7    | 496         |                 |                    |            |                   |            |
|          | LISTED, 03-64                       | 8  | WITH HERD-MATES  | 12          | 10,555                | 4.7    | 496         | 7               | 10,270             | 499        |                   |            |
| STATES-  | 41                                  |    |                  |             |                       |        |             | DIFF.           | 285                | 3-         |                   |            |
| 542132   | RIVERVIEW LODESTAR-S ADDNIS.....    |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 12-09-57 | 473831 1044566                      | 9  | NDN-AI DAUGHTERS | 12          | 11,777                | 5.0    | 588         |                 |                    |            |                   |            |
|          | LISTED, 11-63                       | 9  | WITH HERD-MATES  | 12          | 11,777                | 5.0    | 588         | 25              | 10,146             | 491        |                   |            |
| STATES-  | 82,86,91                            |    |                  |             |                       |        |             | DIFF.           | 1631               | 97         |                   |            |
| 542156   | .....                               |    |                  |             |                       |        |             |                 |                    |            |                   |            |
|          |                                     | 10 | NDN-AI DAUGHTERS | 13          | 9,229                 | 5.2    | 481         |                 |                    |            |                   |            |
| STATES-  | 32                                  | 10 | WITH HERD-MATES  | 13          | 9,229                 | 5.2    | 481         | 5               | 9,429              | 469        |                   |            |
|          |                                     |    |                  |             |                       |        |             | DIFF.           | 200-               | 12         |                   |            |
| 542168   | .....                               |    |                  |             |                       |        |             |                 |                    |            |                   |            |
|          |                                     | 7  | NDN-AI DAUGHTERS | 7           | 6,717                 | 5.0    | 337         |                 |                    |            |                   |            |
| STATES-  | 32                                  | 7  | WITH HERD-MATES  | 7           | 6,717                 | 5.0    | 337         | 26              | 7,301              | 368        |                   |            |
|          |                                     |    |                  |             |                       |        |             | DIFF.           | 584-               | 31-        |                   |            |
| 542191   | YELLOW CREEK HANDY SHDWMAN.....     |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 02-25-58 | 526747 1668610                      | 8  | NDN-AI DAUGHTERS | 8           | 10,736                | 4.7    | 500         |                 |                    |            |                   |            |
|          | LISTED, 03-64                       | 8  | WITH HERD-MATES  | 8           | 10,736                | 4.7    | 500         | 26              | 9,834              | 459        |                   |            |
| STATES-  | 61                                  |    |                  |             |                       |        |             | DIFF.           | 902                | 41         |                   |            |
| 542195   | GOLDEN GLOW COMD-S KING.....        |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 03-29-58 | 482761 1384593                      | 8  | NDN-AI DAUGHTERS | 8           | 8,575                 | 4.9    | 423         |                 |                    |            |                   |            |
|          | LISTED, 05-64                       | 8  | WITH HERD-MATES  | 8           | 8,575                 | 4.9    | 423         | 12              | 9,111              | 458        |                   |            |
| STATES-  | 31                                  |    |                  |             |                       |        |             | DIFF.           | 536-               | 35-        |                   |            |
| 542215   | STEDE WELLS ILA-S DDN.....          |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 02-28-57 | 500284 1037684                      | 18 | NDN-AI DAUGHTERS | 22          | 8,038                 | 5.2    | 415         |                 |                    |            |                   |            |
|          | LISTED, 03-64                       | 18 | WITH HERD-MATES  | 22          | 8,038                 | 5.2    | 415         | 6               | 7,699              | 378        |                   |            |
| STATES-  | 33,42                               |    |                  |             |                       |        |             | DIFF.           | 339                | 37         |                   |            |

## SIRE OF DHIA DAUGHTERS

| GUERNSEY            |                                  |    |                  | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|---------------------|----------------------------------|----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 542222              | .....                            | 6  | NDN-AI DAUGHTERS | 6           | 9,910                 | 4.6    | 454         |                 |                    |            |                   |            |
| STATES- 32          |                                  | 6  | WITH HERD-MATES  | 6           | 9,910                 | 4.6    | 454         | 4               | 9,821              | 453        |                   |            |
|                     |                                  |    |                  |             |                       |        |             | DIFF.           | 89                 | 1          |                   |            |
| 542269              | WILLOW SPRING SUPREME VIC.....   | 7  | AI DAUGHTERS-06  | 7           | 8,130                 | 4.8    | 388         |                 |                    |            |                   |            |
| 03-28-58            | 538021 932926                    | 7  | WITH HERD-MATES  | 7           | 8,130                 | 4.8    | 388         | 14              | 8,489              | 389        | 8,475             | 410        |
| AI STUD, 12-03      | LISTED, 05-64                    | 7  |                  |             |                       |        |             | DIFF.           | 359-               | 1-         |                   |            |
| STATES- 12,13,14,32 |                                  | 1  | NON-AI DAUGHTERS | 1           | 12,570                | 5.0    | 630         | 7               | 9,741              | 499        |                   |            |
|                     |                                  | 1  | WITH HERD-MATES  | 1           | 12,570                | 5.0    | 630         | DIFF.           | 2829               | 131        |                   |            |
| 542308              | .....                            | 5  | NON-AI DAUGHTERS | 7           | 7,863                 | 4.7    | 369         |                 |                    |            |                   |            |
| STATES- 73,85       |                                  | 4  | WITH HERD-MATES  | 6           | 8,336                 | 4.7    | 391         | 88              | 8,082              | 371        |                   |            |
|                     |                                  |    |                  |             |                       |        |             | DIFF.           | 254                | 20         |                   |            |
| 542338              | VALLEYSIDE SECRET-S CREATOR..... | 11 | NON-AI DAUGHTERS | 12          | 9,609                 | 4.7    | 456         |                 |                    |            |                   |            |
| 09-02-57            | 479669 1375028                   | 11 | WITH HERD-MATES  | 12          | 9,609                 | 4.7    | 456         | 18              | 9,044              | 440        |                   |            |
| STATES- 16          | LISTED, 11-63                    | 11 |                  |             |                       |        |             | DIFF.           | 565                | 16         |                   |            |
| 542343              | LANGMORE ACTOR-S PREMIER.....    | 6  | NDN-AI DAUGHTERS | 6           | 10,237                | 5.3    | 544         |                 |                    |            |                   |            |
| 07-12-58            | 521386 1240692                   | 6  | WITH HERD-MATES  | 6           | 10,237                | 5.3    | 544         | 19              | 11,848             | 579        |                   |            |
| AI STUD, 35-02      | LISTED, 05-64                    | 6  |                  |             |                       |        |             | DIFF.           | 1611-              | 35-        |                   |            |
| STATES- 14,16       |                                  |    |                  |             |                       |        |             |                 |                    |            |                   |            |
| 542357              | .....                            | 6  | NON-AI DAUGHTERS | 6           | 8,023                 | 4.5    | 358         |                 |                    |            |                   |            |
| STATES- 32          |                                  | 4  | WITH HERD-MATES  | 4           | 8,120                 | 4.7    | 383         | 18              | 8,769              | 415        |                   |            |
|                     |                                  |    |                  |             |                       |        |             | DIFF.           | 649-               | 32-        |                   |            |
| 542374              | NORMANDY MARSHAL.....            | 14 | NDN-AI DAUGHTERS | 15          | 8,863                 | 4.8    | 421         |                 |                    |            |                   |            |
| 03-08-58            | 527543 1504679                   | 14 | WITH HERD-MATES  | 15          | 8,863                 | 4.8    | 421         | 16              | 8,736              | 428        |                   |            |
| STATES- 33          | LISTED, 03-64                    | 14 |                  |             |                       |        |             | DIFF.           | 127                | 7-         |                   |            |
| 542402              | .....                            | 6  | NDN-AI DAUGHTERS | 7           | 10,907                | 4.9    | 533         |                 |                    |            |                   |            |
| STATES- 43          |                                  | 6  | WITH HERD-MATES  | 7           | 10,907                | 4.9    | 533         | 9               | 9,515              | 481        |                   |            |
|                     |                                  |    |                  |             |                       |        |             | DIFF.           | 1392               | 52         |                   |            |
| 542404              | AUKEMA FARMS KING.....           | 13 | NON-AI DAUGHTERS | 17          | 8,489                 | 4.6    | 392         |                 |                    |            |                   |            |
| 11-27-56            | 528042 1359991                   | 13 | WITH HERD-MATES  | 17          | 8,489                 | 4.6    | 392         | 41              | 8,943              | 421        |                   |            |
| STATES- 22          | LISTED, 03-64                    | 13 |                  |             |                       |        |             | DIFF.           | 454-               | 29-        |                   |            |
| 542433              | .....                            | 7  | NON-AI DAUGHTERS | 7           | 12,517                | 4.4    | 552         |                 |                    |            |                   |            |
| STATES- 48          |                                  | 7  | WITH HERD-MATES  | 7           | 12,517                | 4.4    | 552         | 12              | 10,852             | 496        |                   |            |
|                     |                                  |    |                  |             |                       |        |             | DIFF.           | 1665               | 56         |                   |            |
| 542554              | .....                            | 5  | NON-AI DAUGHTERS | 5           | 11,676                | 4.8    | 561         |                 |                    |            |                   |            |
| STATES- 16,21,73    |                                  | 5  | WITH HERD-MATES  | 5           | 11,676                | 4.8    | 561         | 29              | 11,534             | 570        |                   |            |
|                     |                                  |    |                  |             |                       |        |             | DIFF.           | 142                | 9-         |                   |            |
| 542605              | .....                            | 5  | NON-AI DAUGHTERS | 5           | 11,272                | 5.0    | 565         |                 |                    |            |                   |            |
| STATES- 34,35       |                                  | 5  | WITH HERD-MATES  | 5           | 11,272                | 5.0    | 565         | 12              | 9,977              | 494        |                   |            |
|                     |                                  |    |                  |             |                       |        |             | DIFF.           | 1295               | 71         |                   |            |
| 542662              | .....                            | 5  | NON-AI DAUGHTERS | 5           | 7,618                 | 4.3    | 329         |                 |                    |            |                   |            |
| STATES- 58          |                                  | 5  | WITH HERD-MATES  | 5           | 7,618                 | 4.3    | 329         | 24              | 7,878              | 360        |                   |            |
|                     |                                  |    |                  |             |                       |        |             | DIFF.           | 260-               | 31-        |                   |            |
| 542699              | CEORCROFT GEM-S HARVEST.....     | 10 | NON-AI DAUGHTERS | 10          | 8,215                 | 5.0    | 413         |                 |                    |            |                   |            |
| 02-21-58            | 522715 1598497                   | 10 | WITH HERD-MATES  | 10          | 8,215                 | 5.0    | 413         | 10              | 8,430              | 449        |                   |            |
| STATES- 91          | LISTED, 11-63                    | 10 |                  |             |                       |        |             | DIFF.           | 215-               | 36-        |                   |            |
| 542716              | .....                            | 5  | NON-AI DAUGHTERS | 5           | 8,206                 | 4.5    | 369         |                 |                    |            |                   |            |
| STATES- 92          |                                  | 5  | WITH HERD-MATES  | 5           | 8,206                 | 4.5    | 369         | 7               | 9,513              | 480        |                   |            |
|                     |                                  |    |                  |             |                       |        |             | DIFF.           | 1307-              | 111-       |                   |            |
| 542756              | IDEAL-S IMPERIAL.....            | 25 | NDN-AI DAUGHTERS | 36          | 9,094                 | 5.2    | 474         |                 |                    |            |                   |            |
| 12-27-56            | 448080 1487474                   | 25 | WITH HERD-MATES  | 30          | 8,951                 | 5.2    | 465         | 11              | 9,395              | 457        |                   |            |
| STATES- 23,52       | LISTED, 11-63                    | 23 |                  |             |                       |        |             | DIFF.           | 444-               | 8          |                   |            |
| 542759              | .....                            | 9  | NDN-AI DAUGHTERS | 10          | 12,768                | 4.8    | 611         |                 |                    |            |                   |            |
| STATES- 58          |                                  | 9  | WITH HERD-MATES  | 10          | 12,768                | 4.8    | 611         | 53              | 10,569             | 471        |                   |            |
|                     |                                  |    |                  |             |                       |        |             | DIFF.           | 2199               | 140        |                   |            |
| 542760              | GERAR TOMMY.....                 | 9  | NON-AI DAUGHTERS | 9           | 9,657                 | 4.9    | 475         |                 |                    |            |                   |            |
| 07-27-57            | 510148 1541088                   | 9  | WITH HERD-MATES  | 8           | 9,565                 | 4.9    | 472         | 13              | 9,667              | 475        |                   |            |
| STATES- 23,51       | LISTED, 03-64                    | 8  |                  |             |                       |        |             | DIFF.           | 102-               | 3-         |                   |            |
| 542780              | DOUGLSTON K. SUNRISE-S DUKE..... | 13 | NON-AI DAUGHTERS | 13          | 8,112                 | 5.1    | 415         |                 |                    |            |                   |            |
| 04-27-58            | 524009 857340                    | 13 | WITH HERD-MATES  | 13          | 8,112                 | 5.1    | 415         | 25              | 9,109              | 456        |                   |            |
| STATES- 21          | LISTED, 03-64                    | 13 |                  |             |                       |        |             | DIFF.           | 997-               | 41-        |                   |            |
| 542790              | LANGWATER SUPREME-S PRINCE.....  | 15 | NON-AI DAUGHTERS | 15          | 10,490                | 4.4    | 459         |                 |                    |            |                   |            |
| 02-18-58            | 424926 1475755                   | 15 | WITH HERD-MATES  | 15          | 10,490                | 4.4    | 459         | 40              | 9,739              | 439        |                   |            |
| STATES- 42,43,84    | LISTED, 03-64                    | 15 |                  |             |                       |        |             | DIFF.           | 751                | 20         |                   |            |



| SIRE OF DHIA DAUGHTERS |                             |               |    | AV. PRODUCTION OF DAU. |      |        |     | ADJ. HERD-MATES |       | AV. PREDICTED |      |
|------------------------|-----------------------------|---------------|----|------------------------|------|--------|-----|-----------------|-------|---------------|------|
| GUERNSEY               |                             |               |    | RECORDS                | MILK | TEST   | FAT | AV.             | MILK  | FAT           | MILK |
|                        |                             |               |    | NUMBER                 | LB   | %      | LB  | NUMBER          | LB    | LB            | LB   |
| 542791                 | LANGWATER SYMBDL            |               |    |                        |      |        |     |                 |       |               |      |
| 03-31-58               | 424926                      | 906140        | 13 | NON-AI DAUGHTERS       | 15   | 9,790  | 5.1 | 499             |       |               |      |
|                        |                             | LISTED, 03-64 | 13 | WITH HERD-MATES        | 15   | 9,790  | 5.1 | 499             | 9     | 10,457        | 498  |
| STATES-                | 51,63                       |               |    |                        |      |        |     |                 | DIFF. | 667-          | 1    |
| 542794                 | LANGWATER SDMERSET          |               |    |                        |      |        |     |                 |       |               |      |
| 09-04-58               | 532191                      | 1487367       | 9  | NON-AI DAUGHTERS       | 9    | 8,678  | 4.3 | 376             |       |               |      |
|                        |                             | LISTED, 03-64 | 9  | WITH HERD-MATES        | 9    | 8,678  | 4.3 | 376             | 14    | 9,303         | 442  |
| STATES-                | 11                          |               |    |                        |      |        |     |                 | DIFF. | 625-          | 66-  |
| 542803                 | ELMWOOD-S BANDMASTER        |               |    |                        |      |        |     |                 |       |               |      |
| 04-13-58               | 359246                      | 1369252       | 24 | AI DAUGHTERS-14        | 24   | 8,660  | 5.1 | 443             |       |               |      |
| AI STUD, 34-01         |                             | LISTED, 05-64 | 24 | WITH HERD-MATES        | 24   | 8,660  | 5.1 | 443             | 15    | 9,699         | 482  |
| STATES-                | 32,34,35,52                 |               |    |                        |      |        |     |                 | DIFF. | 1039-         | 39-  |
| 542995                 | CHEDCO BUTTERFAT-S ACTOR    |               |    |                        |      |        |     |                 |       |               |      |
| 08-25-58               | 523823                      | 1374109       | 11 | NDN-AI DAUGHTERS       | 11   | 7,000  | 5.1 | 356             |       |               |      |
|                        |                             | LISTED, 05-64 | 10 | WITH HERD-MATES        | 10   | 7,063  | 5.1 | 361             | 22    | 8,243         | 386  |
| STATES-                | 14                          |               |    |                        |      |        |     |                 | DIFF. | 1180-         | 25-  |
| 542997                 | GREEN VALLEY-S WAYNE        |               |    |                        |      |        |     |                 |       |               |      |
| 04-08-58               | 495899                      | 1458144       | 11 | NON-AI DAUGHTERS       | 12   | 8,505  | 4.6 | 387             |       |               |      |
|                        |                             | LISTED, 03-64 | 11 | WITH HERD-MATES        | 12   | 8,505  | 4.6 | 387             | 9     | 8,610         | 414  |
| STATES-                | 41                          |               |    |                        |      |        |     |                 | DIFF. | 105-          | 27-  |
| 543012                 |                             |               |    |                        |      |        |     |                 |       |               |      |
|                        |                             |               | 5  | NON-AI DAUGHTERS       | 5    | 6,734  | 5.2 | 349             |       |               |      |
| STATES-                | 23                          |               | 5  | WITH HERD-MATES        | 5    | 6,734  | 5.2 | 349             | 19    | 8,721         | 396  |
|                        |                             |               |    |                        |      |        |     |                 | DIFF. | 1987-         | 47-  |
| 543037                 | SUN VALLEY VICTORY          |               |    |                        |      |        |     |                 |       |               |      |
| 05-24-58               | 453207                      | 1672391       | 12 | NDN-AI DAUGHTERS       | 12   | 10,455 | 4.5 | 466             |       |               |      |
|                        |                             | LISTED, 03-64 | 12 | WITH HERD-MATES        | 12   | 10,455 | 4.5 | 466             | 59    | 10,074        | 440  |
| STATES-                | 86                          |               |    |                        |      |        |     |                 | DIFF. | 381           | 26   |
| 543091                 |                             |               |    |                        |      |        |     |                 |       |               |      |
|                        |                             |               | 9  | AI DAUGHTERS-07        | 10   | 8,681  | 5.0 | 434             |       |               |      |
| AI STUD, 65-02         |                             |               | 9  | WITH HERD-MATES        | 10   | 8,681  | 5.0 | 434             | 15    | 8,912         | 422  |
| STATES-                | 31,43,56                    |               |    |                        |      |        |     |                 | DIFF. | 231-          | 12   |
| 543093                 |                             |               |    |                        |      |        |     |                 |       |               |      |
|                        |                             |               | 7  | NDN-AI DAUGHTERS       | 9    | 10,478 | 4.7 | 497             |       |               |      |
| STATES-                | 21                          |               | 7  | WITH HERD-MATES        | 9    | 10,478 | 4.7 | 497             | 8     | 10,384        | 500  |
|                        |                             |               |    |                        |      |        |     |                 | DIFF. | 94            | 3-   |
| 543143                 |                             |               |    |                        |      |        |     |                 |       |               |      |
|                        |                             |               | 5  | NDN-AI DAUGHTERS       | 5    | 8,844  | 4.9 | 436             |       |               |      |
| STATES-                | 23                          |               | 5  | WITH HERD-MATES        | 5    | 8,844  | 4.9 | 436             | 23    | 9,666         | 437  |
|                        |                             |               |    |                        |      |        |     |                 | DIFF. | 822-          | 1-   |
| 543158                 | NORTHERN HERMES             |               |    |                        |      |        |     |                 |       |               |      |
| 10-14-58               | 415425                      | 1344800       | 18 | AI DAUGHTERS-09        | 18   | 9,517  | 4.6 | 434             |       |               |      |
| AI STUD, 35-05         |                             | LISTED, 05-64 | 18 | WITH HERD-MATES        | 18   | 9,517  | 4.6 | 434             | 14    | 9,310         | 444  |
| STATES-                | 35,41,42                    |               |    |                        |      |        |     |                 | DIFF. | 207           | 10-  |
| 543178                 |                             |               |    |                        |      |        |     |                 |       |               |      |
|                        |                             |               | 5  | NON-AI DAUGHTERS       | 5    | 7,844  | 5.2 | 405             |       |               |      |
| STATES-                | 47                          |               | 5  | WITH HERD-MATES        | 5    | 7,844  | 5.2 | 405             | 40    | 8,611         | 420  |
|                        |                             |               |    |                        |      |        |     |                 | DIFF. | 767-          | 15-  |
| 543196                 |                             |               |    |                        |      |        |     |                 |       |               |      |
|                        |                             |               | 5  | AI DAUGHTERS-01        | 6    | 10,351 | 4.4 | 458             |       |               |      |
| AI STUD, 33-03         |                             |               | 5  | WITH HERD-MATES        | 6    | 10,351 | 4.4 | 458             | 35    | 9,939         | 445  |
| STATES-                | 63                          |               |    |                        |      |        |     |                 | DIFF. | 412           | 13   |
| 543210                 | LAKE LOUISE QUEENIE-S BLAZE |               |    |                        |      |        |     |                 |       |               |      |
| 06-16-58               | 506918                      | 1406706       | 15 | NDN-AI DAUGHTERS       | 16   | 9,907  | 4.9 | 488             |       |               |      |
|                        |                             | LISTED, 03-64 | 15 | WITH HERD-MATES        | 15   | 9,848  | 4.9 | 483             | 52    | 8,155         | 384  |
| STATES-                | 56,71                       |               |    |                        |      |        |     |                 | DIFF. | 1693          | 99   |
| 543211                 | LAKE LOUISE KING-S HERCULES |               |    |                        |      |        |     |                 |       |               |      |
| 06-23-58               | 428861                      | 930826        | 10 | AI DAUGHTERS-09        | 10   | 8,275  | 5.0 | 410             |       |               |      |
| AI STUD, 23-04         |                             | LISTED, 03-64 | 10 | WITH HERD-MATES        | 10   | 8,275  | 5.0 | 410             | 13    | 9,290         | 448  |
| STATES-                | 23                          |               |    |                        |      |        |     |                 | DIFF. | 1015-         | 38-  |
|                        |                             |               | 1  | NDN-AI DAUGHTERS       | 2    | 7,000  | 5.4 | 376             |       |               |      |
|                        |                             |               | 1  | WITH HERD-MATES        | 2    | 7,000  | 5.4 | 376             | 10    | 7,954         | 383  |
|                        |                             |               |    |                        |      |        |     |                 | DIFF. | 954-          | 7-   |
| 543212                 | LAKE LOUISE KING-S WHITTIER |               |    |                        |      |        |     |                 |       |               |      |
| 06-26-58               | 428861                      | 882329        | 9  | NDN-AI DAUGHTERS       | 10   | 7,851  | 4.6 | 362             |       |               |      |
|                        |                             | LISTED, 05-64 | 9  | WITH HERD-MATES        | 10   | 7,851  | 4.6 | 362             | 54    | 8,288         | 389  |
| STATES-                | 56                          |               |    |                        |      |        |     |                 | DIFF. | 437-          | 27-  |
| 543213                 | GREEN FIELDS JUPITER        |               |    |                        |      |        |     |                 |       |               |      |
| 10-14-58               | 503295                      | 1219723       | 10 | NDN-AI DAUGHTERS       | 11   | 8,676  | 4.8 | 418             |       |               |      |
|                        |                             | LISTED, 03-64 | 10 | WITH HERD-MATES        | 10   | 8,706  | 4.8 | 420             | 13    | 9,350         | 455  |
| STATES-                | 55                          |               |    |                        |      |        |     |                 | DIFF. | 644-          | 35-  |
| 543215                 |                             |               |    |                        |      |        |     |                 |       |               |      |
|                        |                             |               | 9  | AI DAUGHTERS-03        | 9    | 9,048  | 5.1 | 461             |       |               |      |
| AI STUD, 22-03         |                             |               | 9  | WITH HERD-MATES        | 9    | 9,048  | 5.1 | 461             | 44    | 9,421         | 452  |
| STATES-                | 22                          |               |    |                        |      |        |     |                 | DIFF. | 373-          | 9    |
| 543280                 | HAR-MUR KNIGHT-S ROCKET     |               |    |                        |      |        |     |                 |       |               |      |
| 05-14-58               | 413580                      | 1386957       | 11 | NDN-AI DAUGHTERS       | 11   | 7,067  | 5.1 | 357             |       |               |      |
|                        |                             | LISTED, 03-64 | 11 | WITH HERD-MATES        | 11   | 7,067  | 5.1 | 357             | 12    | 8,237         | 419  |
| STATES-                | 92                          |               |    |                        |      |        |     |                 | DIFF. | 1170-         | 62-  |
| 543348                 | COLBYS GABRIEL              |               |    |                        |      |        |     |                 |       |               |      |
| 06-23-58               | 440484                      | 1144594       | 75 | AI DAUGHTERS-25*       | 79   | 8,945  | 4.8 | 433             |       |               |      |
| AI STUD, 23-05         |                             | LISTED, 05-64 | 73 | WITH HERD-MATES        | 77   | 9,006  | 4.8 | 435             | 13    | 8,936         | 425  |
| STATES-                | 23,34                       |               |    |                        |      |        |     |                 | DIFF. | 70            | 10   |
|                        |                             |               | 6  | NDN-AI DAUGHTERS       | 7    | 8,973  | 5.3 | 476             |       |               |      |
|                        |                             |               | 6  | WITH HERD-MATES        | 7    | 8,973  | 5.3 | 476             | 19    | 9,955         | 480  |
|                        |                             |               |    |                        |      |        |     |                 | DIFF. | 982-          | 4-   |

## SIRE OF OHIA DAUGHTERS

| GUERNSEY                                  | AV. PRODUCTION OF OAU. |                  |           |           | AOJ. HERO-MATES AV. |            |           | PREOICTED AV. |           |
|---|------------------------|------------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|   | RECORDS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | AV.<br>NUMBER       | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 543352 .....                              |                        |                  |           |           |                     |            |           |               |           |
| STATES- 33                                | 6                      | NON-AI DAUGHTERS | 6         | 8,162     | 5.3                 | 433        |           |               |           |
|   | 6                      | WITH HERD-MATES  | 6         | 8,162     | 5.3                 | 433        | 13        | 8,822         | 430       |
|   |                        |                  |           |           |                     |            | DIFF.     | 660-          | 3         |
| 543374 DEEP LAKE A. SUN.....              |                        |                  |           |           |                     |            |           |               |           |
| 01-01-58 431323 1604691                   | 58                     | AI DAUGHTERS-25* | 63        | 8,612     | 4.7                 | 409        |           |               |           |
| AI STUO, 21-01 LISTEO, 05-64              | 55                     | WITH HERD-MATES  | 59        | 8,615     | 4.8                 | 411        | 21        | 9,277         | 444       |
| STATES- 21,23,47                          |                        |                  |           |           |                     |            | DIFF.     | 662-          | 33-       |
| 543411 .....                              |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23                                | 5                      | NON-AI DAUGHTERS | 5         | 12,708    | 4.6                 | 586        |           |               |           |
|   | 5                      | WITH HERD-MATES  | 5         | 12,708    | 4.6                 | 586        | 17        | 12,002        | 577       |
|   |                        |                  |           |           |                     |            | DIFF.     | 706           | 9         |
| 543417 MAR-MULLOALE OSCAR.....            |                        |                  |           |           |                     |            |           |               |           |
| 11-20-57 481593 1487619                   | 14                     | NDN-AI DAUGHTERS | 20        | 8,918     | 4.8                 | 431        |           |               |           |
| LISTED, 11-63                             | 13                     | WITH HERD-MATES  | 18        | 8,956     | 4.8                 | 428        | 6         | 9,259         | 454       |
| STATES- 23                                |                        |                  |           |           |                     |            | DIFF.     | 303-          | 26-       |
| 543422 RIVERVIEW MALITA-S KING.....       |                        |                  |           |           |                     |            |           |               |           |
| 07-29-58 498590 1463957                   | 22                     | AI DAUGHTERS-16  | 23        | 9,543     | 4.9                 | 471        |           |               |           |
| AI STUO, 91-01 LISTEO, 05-64              | 21                     | WITH HERD-MATES  | 21        | 9,591     | 5.0                 | 477        | 16        | 10,079        | 490       |
| STATES- 82,86,91                          |                        |                  |           |           |                     |            | DIFF.     | 488-          | 13-       |
|   | 1                      | NON-AI DAUGHTERS | 1         | 13,090    | 4.3                 | 561        |           |               |           |
|   | 1                      | WITH HERD-MATES  | 1         | 13,090    | 4.3                 | 561        | 7         | 10,341        | 487       |
|   |                        |                  |           |           |                     |            | DIFF.     | 2749          | 74        |
| 543462 TRUE VALUE-S FAME.....             |                        |                  |           |           |                     |            |           |               |           |
| 11-26-58 524067 1271984                   | 12                     | NON-AI DAUGHTERS | 12        | 8,224     | 4.7                 | 383        |           |               |           |
| LISTEO, 03-64                             | 11                     | WITH HERD-MATES  | 11        | 8,179     | 4.7                 | 381        | 2         | 7,564         | 371       |
| STATES- 42                                |                        |                  |           |           |                     |            | DIFF.     | 615           | 10        |
| 543466 DEEPLAKE FLASH-S HANSEN.....       |                        |                  |           |           |                     |            |           |               |           |
| 12-02-58 475548 1531468                   | 13                     | AI DAUGHTERS-12  | 13        | 8,610     | 4.7                 | 406        |           |               |           |
| AI STUO, 21-01 LISTEO, 05-64              | 12                     | WITH HERD-MATES  | 12        | 8,421     | 4.7                 | 395        | 12        | 8,079         | 388       |
| STATES- 13,21                             |                        |                  |           |           |                     |            | DIFF.     | 342           | 7         |
| 543467 .....                              |                        |                  |           |           |                     |            |           |               |           |
| AI STUO, 16-04                            | 9                      | AI DAUGHTERS-05  | 9         | 8,973     | 5.1                 | 457        |           |               |           |
| STATES- 14,16,23                          | 9                      | WITH HERD-MATES  | 9         | 8,973     | 5.1                 | 457        | 11        | 9,084         | 448       |
|   |                        |                  |           |           |                     |            | DIFF.     | 111-          | 9         |
|   | 1                      | NDN-AI DAUGHTERS | 1         | 8,140     | 5.5                 | 447        |           |               |           |
|   | 1                      | WITH HERD-MATES  | 1         | 8,140     | 5.5                 | 447        | 20        | 9,912         | 485       |
|   |                        |                  |           |           |                     |            | DIFF.     | 1772-         | 38-       |
| 543523 .....                              |                        |                  |           |           |                     |            |           |               |           |
| STATES- 33                                | 5                      | NON-AI DAUGHTERS | 5         | 11,648    | 5.0                 | 581        |           |               |           |
|   | 5                      | WITH HERD-MATES  | 5         | 11,648    | 5.0                 | 581        | 39        | 12,652        | 632       |
|   |                        |                  |           |           |                     |            | DIFF.     | 1004-         | 51-       |
| 543551 ZEITLER OIANNE MASTER CURTISS..... |                        |                  |           |           |                     |            |           |               |           |
| 11-07-58 426820 1184484                   | 9                      | NON-AI DAUGHTERS | 9         | 9,188     | 4.8                 | 445        |           |               |           |
| LISTEO, 03-64                             | 9                      | WITH HERD-MATES  | 9         | 9,188     | 4.8                 | 445        | 40        | 10,265        | 502       |
| STATES- 50,58                             |                        |                  |           |           |                     |            | DIFF.     | 1077-         | 57-       |
| 543595 ROSEBUO FARM NERD.....             |                        |                  |           |           |                     |            |           |               |           |
| 11-12-57 520838 1639381                   | 8                      | NDN-AI DAUGHTERS | 8         | 7,118     | 4.8                 | 341        |           |               |           |
| LISTEO, 05-64                             | 8                      | WITH HERD-MATES  | 8         | 7,118     | 4.8                 | 341        | 4         | 6,530         | 309       |
| STATES- 42                                |                        |                  |           |           |                     |            | DIFF.     | 588           | 32        |
| 543625 IDEAL-S WISDOM.....                |                        |                  |           |           |                     |            |           |               |           |
| 01-17-57 448080 1518237                   | 9                      | NON-AI DAUGHTERS | 11        | 10,079    | 5.0                 | 506        |           |               |           |
| LISTEO, 11-63                             | 9                      | WITH HERD-MATES  | 11        | 10,079    | 5.0                 | 506        | 17        | 8,958         | 436       |
| STATES- 22,23,52                          |                        |                  |           |           |                     |            | DIFF.     | 1121          | 70        |
| 543631 IOEAL-S PRINCE LEE.....            |                        |                  |           |           |                     |            |           |               |           |
| 10-12-57 448080 765185                    | 19                     | NON-AI DAUGHTERS | 20        | 7,566     | 4.6                 | 351        |           |               |           |
| LISTED, 08-63                             | 19                     | WITH HERD-MATES  | 20        | 7,566     | 4.6                 | 351        | 23        | 9,291         | 447       |
| STATES- 22,23,31                          |                        |                  |           |           |                     |            | DIFF.     | 1725-         | 96-       |
| 543637 .....                              |                        |                  |           |           |                     |            |           |               |           |
| STATES- 42                                | 7                      | NON-AI DAUGHTERS | 7         | 8,206     | 4.5                 | 373        |           |               |           |
|   | 7                      | WITH HERD-MATES  | 7         | 8,206     | 4.5                 | 373        | 11        | 7,353         | 339       |
|   |                        |                  |           |           |                     |            | DIFF.     | 853           | 34        |
| 543673 .....                              |                        |                  |           |           |                     |            |           |               |           |
| AI STUO, 93-02                            | 14                     | AI DAUGHTERS-02  | 14        | 8,536     | 4.6                 | 389        |           |               |           |
| STATES- 85                                | 14                     | WITH HERD-MATES  | 14        | 8,536     | 4.6                 | 389        | 41        | 9,608         | 445       |
|   |                        |                  |           |           |                     |            | DIFF.     | 1072-         | 56-       |
| 543749 .....                              |                        |                  |           |           |                     |            |           |               |           |
| STATES- 32                                | 9                      | NON-AI DAUGHTERS | 9         | 9,702     | 4.6                 | 444        |           |               |           |
|   | 9                      | WITH HERD-MATES  | 9         | 9,702     | 4.6                 | 444        | 7         | 8,729         | 410       |
|   |                        |                  |           |           |                     |            | DIFF.     | 973           | 34        |
| 543763 8.H.H. ROYAL-S RASCAL.....         |                        |                  |           |           |                     |            |           |               |           |
| 04-23-57 508623 1470793                   | 10                     | AI DAUGHTERS-07  | 10        | 8,395     | 5.2                 | 437        |           |               |           |
| AI STUO, 22-01 LISTEO, 11-63              | 10                     | WITH HERD-MATES  | 10        | 8,395     | 5.2                 | 437        | 29        | 8,974         | 426       |
| STATES- 21,22                             |                        |                  |           |           |                     |            | DIFF.     | 579-          | 11        |
|   | 1                      | NDN-AI DAUGHTERS | 2         | 8,240     | 5.5                 | 455        |           |               |           |
|   | 1                      | WITH HERD-MATES  | 2         | 8,240     | 5.5                 | 455        | 17        | 9,056         | 466       |
|   |                        |                  |           |           |                     |            | DIFF.     | 816-          | 11-       |
| 543799 HENSLEE FARMS V. LOYAL.....        |                        |                  |           |           |                     |            |           |               |           |
| 07-26-58 512972 1113531                   | 12                     | NDN-AI DAUGHTERS | 13        | 11,005    | 4.7                 | 515        |           |               |           |
| LISTED, 03-64                             | 12                     | WITH HERD-MATES  | 13        | 11,005    | 4.7                 | 515        | 21        | 9,477         | 445       |
| STATES- 61                                |                        |                  |           |           |                     |            | DIFF.     | 1528          | 70        |
| 543818 FAIRLAWN MURIEL-S VALOR.....       |                        |                  |           |           |                     |            |           |               |           |
| 09-12-58 533507 1004019                   | 84                     | AI DAUGHTERS-25* | 87        | 9,606     | 4.5                 | 433        |           |               |           |
| AI STUO, 21-01 LISTEO, 05-64              | 83                     | WITH HERD-MATES  | 84        | 9,653     | 4.5                 | 436        | 14        | 9,291         | 442       |
| STATES- 12,16,21,23,64                    |                        |                  |           |           |                     |            | DIFF.     | 362           | 6-        |

## SIRE OF OHIA DAUGHTERS

| GUERNSEY                             | AV. PRODUCTION OF |                  |      |        | ADJ.   | HERD-MATES |      | AV.    | PREDICTED |           |
|--------------------------------------|-------------------|------------------|------|--------|--------|------------|------|--------|-----------|-----------|
|                                      | RECORDS           | MILK             | TEST | FAT    |        | AV.        | MILK |        | MILK      | FAT       |
|                                      | NUMBER            | L8               | %    | L8     | NUMBER | L8         | L8   | L8     | L8        | L8        |
| 543819 .....                         |                   |                  |      |        |        |            |      |        |           |           |
| AI STUD, 41-25                       | 6                 | 9,518            | 4.7  | 447    |        |            |      |        |           |           |
| STATES- 41                           | 6                 | 9,518            | 4.7  | 447    | 31     | 8,984      | 408  | 8,797  | 424       |           |
|                                      |                   |                  |      |        | DIFF.  | 534        | 39   |        |           |           |
| 543827 IDEAL-S CENTURION.....        |                   |                  |      |        |        |            |      |        |           |           |
| 12-29-57 473089 1731147              | 9                 | NDN-AI DAUGHTERS | 10   | 10,797 | 5.0    | 538        |      |        |           |           |
| LISTED, 11-63                        | 9                 | WITH HERD-MATES  | 10   | 10,797 | 5.0    | 538        | 34   | 9,504  | 498       |           |
| STATES- 51                           |                   |                  |      |        | DIFF.  | 1293       | 40   |        |           |           |
| 543853 MARGENDELL HIS MAJESTY.....   |                   |                  |      |        |        |            |      |        |           |           |
| 09-10-58 528225 1660942              | 2                 | AI DAUGHTERS-02  |      |        |        |            |      |        |           |           |
| AI STUD, 33-03 LISTED, 05-64         | 2                 | WITH HERD-MATES  |      |        |        |            |      |        |           |           |
| STATES- 33,35                        |                   |                  |      |        |        |            |      |        |           |           |
|                                      | 7                 | NON-AI DAUGHTERS | 8    | 10,666 | 4.8    | 512        |      |        |           |           |
|                                      | 7                 | WITH HERD-MATES  | 8    | 10,666 | 4.8    | 512        | 11   | 9,699  | 466       |           |
|                                      |                   |                  |      |        | DIFF.  | 967        | 46   |        |           |           |
| 543890 .....                         |                   |                  |      |        |        |            |      |        |           |           |
|                                      | 7                 | NDN-AI DAUGHTERS | 7    | 10,377 | 4.5    | 470        |      |        |           |           |
| STATES- 31                           | 6                 | WITH HERD-MATES  | 6    | 10,072 | 4.7    | 471        | 14   | 10,470 | 483       |           |
|                                      |                   |                  |      |        | DIFF.  | 398-       | 12-  |        |           |           |
| 543955 .....                         |                   |                  |      |        |        |            |      |        |           |           |
|                                      | 5                 | NON-AI DAUGHTERS | 5    | 9,556  | 5.3    | 504        |      |        |           |           |
| STATES- 82                           | 5                 | WITH HERD-MATES  | 5    | 9,556  | 5.3    | 504        | 13   | 9,658  | 455       |           |
|                                      |                   |                  |      |        | DIFF.  | 102-       | 49   |        |           |           |
| 543978 FAR WEST D. NORMAN.....       |                   |                  |      |        |        |            |      |        |           |           |
| 07-27-58 480854 1295941              | 8                 | AI DAUGHTERS-08  | 8    | 9,923  | 4.9    | 483        |      |        |           |           |
| AI STUD, 91-01 LISTED, 05-64         | 8                 | WITH HERD-MATES  | 8    | 9,923  | 4.9    | 483        | 18   | 9,649  | 479       | 8,760 415 |
| STATES- 82,91                        |                   |                  |      |        | DIFF.  | 274        | 4    |        |           |           |
| 543980 .....                         |                   |                  |      |        |        |            |      |        |           |           |
|                                      | 6                 | NDN-AI DAUGHTERS | 6    | 9,112  | 4.9    | 442        |      |        |           |           |
| STATES- 43                           | 6                 | WITH HERD-MATES  | 6    | 9,112  | 4.9    | 442        | 12   | 9,786  | 463       |           |
|                                      |                   |                  |      |        | DIFF.  | 674-       | 21-  |        |           |           |
| 543999 ALFANNA KNIGHT-S MASTER.....  |                   |                  |      |        |        |            |      |        |           |           |
| 11-28-56 467223 1025641              | 11                | NON-AI DAUGHTERS | 17   | 7,428  | 4.8    | 360        |      |        |           |           |
| STATES- 41                           | 11                | WITH HERD-MATES  | 17   | 7,428  | 4.8    | 360        | 15   | 8,430  | 403       |           |
|                                      |                   |                  |      |        | DIFF.  | 1002-      | 43-  |        |           |           |
| 544021 .....                         |                   |                  |      |        |        |            |      |        |           |           |
|                                      | 5                 | NDN-AI DAUGHTERS | 5    | 11,232 | 4.8    | 539        |      |        |           |           |
| STATES- 31                           | 5                 | WITH HERD-MATES  | 5    | 11,232 | 4.8    | 539        | 6    | 12,324 | 642       |           |
|                                      |                   |                  |      |        | DIFF.  | 1092-      | 103- |        |           |           |
| 544101 .....                         |                   |                  |      |        |        |            |      |        |           |           |
|                                      | 5                 | NON-AI DAUGHTERS | 5    | 11,674 | 4.7    | 548        |      |        |           |           |
| STATES- 86,91                        | 5                 | WITH HERD-MATES  | 5    | 11,674 | 4.7    | 548        | 29   | 10,265 | 501       |           |
|                                      |                   |                  |      |        | DIFF.  | 1409       | 47   |        |           |           |
| 544152 LEE RU FAIRLAWN R KING.....   |                   |                  |      |        |        |            |      |        |           |           |
| 05-13-57 523582 1404550              | 15                | NON-AI DAUGHTERS | 19   | 10,228 | 4.8    | 492        |      |        |           |           |
| LISTED, 11-63                        | 15                | WITH HERD-MATES  | 19   | 10,228 | 4.8    | 492        | 20   | 9,061  | 426       |           |
| STATES- 43                           |                   |                  |      |        | DIFF.  | 1167       | 66   |        |           |           |
| 544157 .....                         |                   |                  |      |        |        |            |      |        |           |           |
|                                      | 7                 | AI DAUGHTERS-06  | 7    | 7,791  | 4.8    | 374        |      |        |           |           |
| AI STUD, 51-02                       | 6                 | WITH HERD-MATES  | 6    | 7,948  | 4.8    | 383        | 13   | 7,974  | 376       | 8,580 412 |
| STATES- 51,54                        |                   |                  |      |        | DIFF.  | 26-        | 7    |        |           |           |
| 544207 URBAN OF WHITE DAK SLOPE..... |                   |                  |      |        |        |            |      |        |           |           |
| 04-15-57 490792 1589702              | 11                | NON-AI DAUGHTERS | 12   | 8,107  | 4.6    | 369        |      |        |           |           |
| LISTED, 08-63                        | 10                | WITH HERD-MATES  | 11   | 8,318  | 4.6    | 381        | 9    | 10,197 | 492       |           |
| STATES- 35,41                        |                   |                  |      |        | DIFF.  | 1879-      | 111- |        |           |           |
| 544226 BAYVILLE ROYAL VIRGINIAN..... |                   |                  |      |        |        |            |      |        |           |           |
| 07-24-58 449539 1567849              | 9                 | NON-AI DAUGHTERS | 9    | 10,930 | 5.0    | 551        |      |        |           |           |
| LISTED, 05-64                        | 9                 | WITH HERD-MATES  | 9    | 10,930 | 5.0    | 551        | 125  | 9,454  | 453       |           |
| STATES- 52                           |                   |                  |      |        | DIFF.  | 1476       | 98   |        |           |           |
| 544413 .....                         |                   |                  |      |        |        |            |      |        |           |           |
|                                      | 5                 | NDN-AI DAUGHTERS | 5    | 9,398  | 4.8    | 453        |      |        |           |           |
| STATES- 42                           | 5                 | WITH HERD-MATES  | 5    | 9,398  | 4.8    | 453        | 9    | 9,110  | 437       |           |
|                                      |                   |                  |      |        | DIFF.  | 288        | 16   |        |           |           |
| 544428 .....                         |                   |                  |      |        |        |            |      |        |           |           |
|                                      | 5                 | NON-AI DAUGHTERS | 5    | 11,878 | 4.8    | 574        |      |        |           |           |
| STATES- 14                           | 5                 | WITH HERD-MATES  | 5    | 11,878 | 4.8    | 574        | 13   | 9,552  | 473       |           |
|                                      |                   |                  |      |        | DIFF.  | 2326       | 101  |        |           |           |
| 544445 Q.O. GALISSIE-S NOTABLE.....  |                   |                  |      |        |        |            |      |        |           |           |
| 07-23-58 523743 1409777              | 10                | NON-AI DAUGHTERS | 12   | 9,609  | 4.7    | 453        |      |        |           |           |
| LISTED, 03-64                        | 10                | WITH HERD-MATES  | 12   | 9,609  | 4.7    | 453        | 10   | 8,816  | 425       |           |
| STATES- 42                           |                   |                  |      |        | DIFF.  | 793        | 28   |        |           |           |
| 544468 WANDERING BROOK MAR-MO.....   |                   |                  |      |        |        |            |      |        |           |           |
| 09-27-58 425345 1006799              | 78                | AI DAUGHTERS-25* | 79   | 8,826  | 4.6    | 404        |      |        |           |           |
| AI STUD, 23-05 LISTED, 05-64         | 74                | WITH HERD-MATES  | 75   | 8,897  | 4.6    | 408        | 12   | 9,021  | 432       | 8,538 392 |
| STATES- 23                           |                   |                  |      |        | DIFF.  | 124-       | 24-  |        |           |           |
| 544536 .....                         |                   |                  |      |        |        |            |      |        |           |           |
|                                      | 5                 | NON-AI DAUGHTERS | 6    | 9,568  | 4.7    | 445        |      |        |           |           |
| STATES- 31                           | 5                 | WITH HERD-MATES  | 6    | 9,568  | 4.7    | 445        | 11   | 8,425  | 417       |           |
|                                      |                   |                  |      |        | DIFF.  | 1143       | 28   |        |           |           |
| 544602 .....                         |                   |                  |      |        |        |            |      |        |           |           |
|                                      | 5                 | NDN-AI DAUGHTERS | 5    | 6,894  | 5.0    | 346        |      |        |           |           |
| STATES- 52                           | 5                 | WITH HERD-MATES  | 5    | 6,894  | 5.0    | 346        | 9    | 7,583  | 349       |           |
|                                      |                   |                  |      |        | DIFF.  | 689-       | 3-   |        |           |           |



## SIREs OF OHIA DAUGHTERS

|          |                                    |    |                  | AV. PRODUCTION OF |        |      |     | ADJ. HERD-MATES |        |      | PREDICTED AV. |     |
|----------|------------------------------------|----|------------------|-------------------|--------|------|-----|-----------------|--------|------|---------------|-----|
| GUERNSEY |                                    |    |                  | RECORDS           | MILK   | TEST | FAT | AV.             | MILK   | FAT  | MILK          | FAT |
|          |                                    |    |                  | NUMBER            | L8     | %    | L8  | NUMBER          | L8     | L8   | L8            | L8  |
| 544702   | THREE CLIFFS TRAN CHIEF.....       |    |                  |                   |        |      |     |                 |        |      |               |     |
| 09-25-58 | 453207 1629682                     | 10 | NON-AI DAUGHTERS | 10                | 8,270  | 4.6  | 383 |                 |        |      |               |     |
|          | LISTED, 03-64                      | 10 | WITH HERD-MATES  | 10                | 8,270  | 4.6  | 383 | 14              | 9,333  | 447  |               |     |
| STATES-  | 41,46,47                           |    |                  |                   |        |      |     | DIFF.           | 1063-  | 64-  |               |     |
| 544719   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 5  | NON-AI DAUGHTERS | 5                 | 8,938  | 4.7  | 416 |                 |        |      |               |     |
| STATES-  | 91                                 | 5  | WITH HERD-MATES  | 5                 | 8,938  | 4.7  | 416 | 14              | 9,296  | 447  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 358-   | 31-  |               |     |
| 544794   | WILSON FARM LINDA-S PRINCE.....    |    |                  |                   |        |      |     |                 |        |      |               |     |
| 09-07-57 | 472912 1033674                     | 10 | NON-AI DAUGHTERS | 15                | 7,480  | 4.8  | 356 |                 |        |      |               |     |
|          | LISTED, 11-63                      | 10 | WITH HERD-MATES  | 15                | 7,480  | 4.8  | 356 | 9               | 7,974  | 368  |               |     |
| STATES-  | 23                                 |    |                  |                   |        |      |     | DIFF.           | 494-   | 12-  |               |     |
| 544813   | GRAND VIEW ACME.....               |    |                  |                   |        |      |     |                 |        |      |               |     |
| 09-10-58 | 527877 1717052                     | 12 | NON-AI DAUGHTERS | 12                | 9,378  | 4.8  | 450 |                 |        |      |               |     |
|          | LISTED, 03-64                      | 12 | WITH HERD-MATES  | 12                | 9,378  | 4.8  | 450 | 30              | 9,061  | 442  |               |     |
| STATES-  | 55,56,63                           |    |                  |                   |        |      |     | DIFF.           | 317    | 8    |               |     |
| 544815   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 5  | NON-AI DAUGHTERS | 5                 | 6,738  | 4.6  | 310 |                 |        |      |               |     |
| STATES-  | 56                                 | 5  | WITH HERD-MATES  | 5                 | 6,738  | 4.6  | 310 | 28              | 5,963  | 270  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 775    | 40   |               |     |
| 544818   | EOISTO FARMS TRANSFER-S BARON..... |    |                  |                   |        |      |     |                 |        |      |               |     |
| 11-24-58 | 453207 1352409                     | 10 | NON-AI DAUGHTERS | 10                | 7,273  | 4.7  | 339 |                 |        |      |               |     |
|          | LISTED, 05-64                      | 10 | WITH HERD-MATES  | 10                | 7,273  | 4.7  | 339 | 36              | 8,032  | 376  |               |     |
| STATES-  | 56,57                              |    |                  |                   |        |      |     | DIFF.           | 759-   | 37-  |               |     |
| 544833   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 6  | NON-AI DAUGHTERS | 6                 | 7,950  | 4.5  | 359 |                 |        |      |               |     |
| STATES-  | 41                                 | 6  | WITH HERD-MATES  | 6                 | 7,950  | 4.5  | 359 | 9               | 8,143  | 372  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 193-   | 13-  |               |     |
| 544885   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 7  | NON-AI DAUGHTERS | 7                 | 8,037  | 3.9  | 317 |                 |        |      |               |     |
| STATES-  | 31                                 | 6  | WITH HERD-MATES  | 6                 | 7,500  | 4.1  | 306 | 6               | 10,033 | 468  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 2533-  | 162- |               |     |
| 544916   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 11 | AI DAUGHTERS-08  | 11                | 9,835  | 5.3  | 521 |                 |        |      |               |     |
| AI STUO, | 31-01                              | 11 | WITH HERD-MATES  | 11                | 9,835  | 5.3  | 521 | 12              | 9,037  | 431  | 9,004         | 454 |
| STATES-  | 31                                 |    |                  |                   |        |      |     | DIFF.           | 798    | 90   |               |     |
| 544991   | WYNO SAINT-S HUGO.....             |    |                  |                   |        |      |     |                 |        |      |               |     |
| 12-26-58 | 429156 1482000                     | 50 | AI DAUGHTERS-25* | 53                | 9,336  | 4.7  | 440 |                 |        |      |               |     |
| AI STUO, | 23-08 LISTED, 05-64                | 50 | WITH HERD-MATES  | 52                | 9,348  | 4.7  | 441 | 16              | 9,162  | 440  | 8,802         | 414 |
| STATES-  | 23,50,55                           |    |                  |                   |        |      |     | DIFF.           | 186    | 1    |               |     |
| 545134   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 5  | NON-AI DAUGHTERS | 5                 | 9,632  | 4.7  | 449 |                 |        |      |               |     |
| STATES-  | 42                                 | 5  | WITH HERD-MATES  | 5                 | 9,632  | 4.7  | 449 | 6               | 8,924  | 427  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 708    | 22   |               |     |
| 545138   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 6  | NON-AI DAUGHTERS | 6                 | 8,027  | 4.4  | 357 |                 |        |      |               |     |
| STATES-  | 56                                 | 6  | WITH HERD-MATES  | 6                 | 8,027  | 4.4  | 357 | 17              | 7,199  | 324  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 828    | 33   |               |     |
| 545244   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 5  | NON-AI DAUGHTERS | 5                 | 10,186 | 4.8  | 490 |                 |        |      |               |     |
| STATES-  | 43                                 | 5  | WITH HERD-MATES  | 5                 | 10,186 | 4.8  | 490 | 4               | 8,971  | 435  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 1215   | 55   |               |     |
| 545328   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 5  | NON-AI DAUGHTERS | 5                 | 10,044 | 4.7  | 469 |                 |        |      |               |     |
| STATES-  | 63                                 | 5  | WITH HERD-MATES  | 5                 | 10,044 | 4.7  | 469 | 24              | 9,531  | 426  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 513    | 43   |               |     |
| 545365   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 5  | NON-AI DAUGHTERS | 5                 | 8,592  | 4.2  | 362 |                 |        |      |               |     |
| STATES-  | 35                                 | 5  | WITH HERD-MATES  | 5                 | 8,592  | 4.2  | 362 | 9               | 9,061  | 424  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 469-   | 62-  |               |     |
| 545416   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 5  | NON-AI DAUGHTERS | 5                 | 12,262 | 4.7  | 574 |                 |        |      |               |     |
| STATES-  | 52                                 | 5  | WITH HERD-MATES  | 5                 | 12,262 | 4.7  | 574 | 16              | 11,095 | 555  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 1167   | 19   |               |     |
| 545440   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 6  | NON-AI DAUGHTERS | 6                 | 10,318 | 5.6  | 580 |                 |        |      |               |     |
| STATES-  | 31                                 | 6  | WITH HERD-MATES  | 6                 | 10,318 | 5.6  | 580 | 33              | 10,450 | 524  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 132-   | 56   |               |     |
| 545503   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 5  | NON-AI DAUGHTERS | 5                 | 10,124 | 4.7  | 473 |                 |        |      |               |     |
| STATES-  | 43                                 | 5  | WITH HERD-MATES  | 5                 | 10,124 | 4.7  | 473 | 11              | 10,093 | 495  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 31     | 22-  |               |     |
| 545509   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 5  | NON-AI DAUGHTERS | 5                 | 8,024  | 4.9  | 394 |                 |        |      |               |     |
| STATES-  | 42                                 | 5  | WITH HERD-MATES  | 5                 | 8,024  | 4.9  | 394 | 16              | 8,496  | 416  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 472-   | 22-  |               |     |
| 545575   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 5  | NON-AI DAUGHTERS | 5                 | 9,106  | 5.0  | 456 |                 |        |      |               |     |
| STATES-  | 22                                 | 5  | WITH HERD-MATES  | 5                 | 9,106  | 5.0  | 456 | 29              | 9,006  | 460  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 100    | 4-   |               |     |
| 545580   | .....                              |    |                  |                   |        |      |     |                 |        |      |               |     |
|          |                                    | 5  | NON-AI DAUGHTERS | 5                 | 9,416  | 4.8  | 448 |                 |        |      |               |     |
| STATES-  | 41                                 | 5  | WITH HERD-MATES  | 5                 | 9,416  | 4.8  | 448 | 11              | 10,918 | 509  |               |     |
|          |                                    |    |                  |                   |        |      |     | DIFF.           | 1502-  | 61-  |               |     |

## SIREs OF OHIA DAUGHTERS

| GUERNSEY                          | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|-----------------------------------|------------------------|------------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|                                   | RECORDS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 545591 .....                      | 5                      | AI DAUGHTERS-05  | 5         | 10,344    | 4.5                 | 469        |           |               |           |
| AI STUD, 23-04                    | 5                      | WITH HERD-MATES  | 5         | 10,344    | 4.5                 | 469        | 7         | 8,666         | 419       |
| STATES- 23,61                     |                        |                  |           |           |                     |            | DIFF.     | 1678          | 50        |
| 9,097                             | 426                    |                  |           |           |                     |            |           |               |           |
| 545625 .....                      | 7                      | AI DAUGHTERS-05  | 7         | 7,757     | 5.2                 | 403        |           |               |           |
| AI STUD, 22-03                    | 7                      | WITH HERD-MATES  | 7         | 7,757     | 5.2                 | 403        | 11        | 8,493         | 411       |
| STATES- 22                        |                        |                  |           |           |                     |            | DIFF.     | 736-          | 8-        |
| 8,340                             | 408                    |                  |           |           |                     |            |           |               |           |
| 545673 .....                      | 5                      | NDN-AI DAUGHTERS | 5         | 9,168     | 4.8                 | 436        |           |               |           |
| STATES- 74,85                     | 5                      | WITH HERD-MATES  | 5         | 9,168     | 4.8                 | 436        | 32        | 8,985         | 426       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 183           | 10        |
| 545680 .....                      | 5                      | NDN-AI DAUGHTERS | 5         | 9,642     | 4.6                 | 440        |           |               |           |
| STATES- 55                        | 5                      | WITH HERD-MATES  | 5         | 9,642     | 4.6                 | 440        | 27        | 8,964         | 411       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 678           | 29        |
| 545707 .....                      | 8                      | NDN-AI DAUGHTERS | 8         | 5,131     | 4.4                 | 225        |           |               |           |
| STATES- 42                        | 7                      | WITH HERD-MATES  | 7         | 5,203     | 4.6                 | 238        | 6         | 5,965         | 286       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 762-          | 48-       |
| 545724 .....                      | 6                      | NDN-AI DAUGHTERS | 6         | 6,515     | 4.8                 | 311        |           |               |           |
| STATES- 21                        | 6                      | WITH HERD-MATES  | 6         | 6,515     | 4.8                 | 311        | 8         | 7,629         | 348       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 1114-         | 37-       |
| 545802 .....                      | 5                      | AI DAUGHTERS-05  | 5         | 9,574     | 4.5                 | 431        |           |               |           |
| AI STUD, 92-01                    | 5                      | WITH HERD-MATES  | 5         | 9,574     | 4.5                 | 431        | 10        | 8,902         | 433       |
| STATES- 92                        |                        |                  |           |           |                     |            | DIFF.     | 672           | 2-        |
| 8,812                             | 411                    |                  |           |           |                     |            |           |               |           |
| 545871 .....                      | 5                      | NDN-AI DAUGHTERS | 5         | 10,538    | 4.4                 | 465        |           |               |           |
| STATES- 86                        | 5                      | WITH HERD-MATES  | 5         | 10,538    | 4.4                 | 465        | 14        | 11,314        | 492       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 776-          | 27-       |
| 545984 .....                      | 5                      | NDN-AI DAUGHTERS | 6         | 9,229     | 4.5                 | 414        |           |               |           |
| AI STUD, 63-01                    | 5                      | WITH HERD-MATES  | 6         | 9,229     | 4.5                 | 414        | 33        | 8,310         | 390       |
| STATES- 55,57,58                  |                        |                  |           |           |                     |            | DIFF.     | 919           | 24        |
| 545985 .....                      | 5                      | NDN-AI DAUGHTERS | 5         | 8,330     | 5.1                 | 424        |           |               |           |
| STATES- 52                        | 5                      | WITH HERD-MATES  | 5         | 8,330     | 5.1                 | 424        | 6         | 8,445         | 400       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 115-          | 24        |
| 546330 .....                      | 7                      | NDN-AI DAUGHTERS | 7         | 10,037    | 5.1                 | 515        |           |               |           |
| STATES- 91                        | 6                      | WITH HERD-MATES  | 6         | 10,535    | 5.1                 | 538        | 8         | 10,993        | 545       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 458-          | 7-        |
| 546331 .....                      | 6                      | AI DAUGHTERS-06  | 6         | 11,492    | 4.6                 | 530        |           |               |           |
| AI STUD, 91-01                    | 5                      | WITH HERD-MATES  | 5         | 11,438    | 4.6                 | 521        | 4         | 8,860         | 420       |
| STATES- 91                        |                        |                  |           |           |                     |            | DIFF.     | 2578          | 101       |
| 9,364                             | 441                    |                  |           |           |                     |            |           |               |           |
| 546377 8ELLE LANE TUDDR LAO. .... | 10                     | NDN-AI DAUGHTERS | 14        | 8,479     | 4.8                 | 409        |           |               |           |
| 10-17-56 499861 1341763           | 10                     | WITH HERD-MATES  | 14        | 8,479     | 4.8                 | 409        | 14        | 8,306         | 419       |
| STATES- 33 LISTEO, 11-63          |                        |                  |           |           |                     |            | DIFF.     | 173           | 10-       |
| 546412 .....                      | 5                      | NDN-AI DAUGHTERS | 5         | 7,898     | 4.9                 | 390        |           |               |           |
| STATES- 51                        | 5                      | WITH HERD-MATES  | 5         | 7,898     | 4.9                 | 390        | 18        | 8,203         | 418       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 305-          | 28-       |
| 546643 .....                      | 13                     | NDN-AI DAUGHTERS | 14        | 9,663     | 4.7                 | 451        |           |               |           |
| STATES- 32                        | 13                     | WITH HERD-MATES  | 14        | 9,663     | 4.7                 | 451        | 23        | 9,233         | 427       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 430           | 24        |
| 546685 .....                      | 5                      | NDN-AI DAUGHTERS | 6         | 7,209     | 4.8                 | 346        |           |               |           |
| STATES- 23                        | 5                      | WITH HERD-MATES  | 6         | 7,209     | 4.8                 | 346        | 23        | 8,639         | 413       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 1430-         | 67-       |
| 546753 .....                      | 5                      | NDN-AI DAUGHTERS | 5         | 8,252     | 5.0                 | 415        |           |               |           |
| STATES- 31                        | 5                      | WITH HERD-MATES  | 5         | 8,252     | 5.0                 | 415        | 10        | 9,494         | 461       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 1242-         | 46-       |
| 546799 .....                      | 5                      | NDN-AI DAUGHTERS | 5         | 7,056     | 5.6                 | 396        |           |               |           |
| STATES- 23                        | 5                      | WITH HERD-MATES  | 5         | 7,056     | 5.6                 | 396        | 15        | 8,190         | 392       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 1134-         | 4         |
| 546838 .....                      | 7                      | NDN-AI DAUGHTERS | 7         | 10,181    | 5.2                 | 527        |           |               |           |
| STATES- 22,23                     | 7                      | WITH HERD-MATES  | 7         | 10,181    | 5.2                 | 527        | 15        | 10,545        | 521       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 364-          | 6         |
| 546857 .....                      | 6                      | NDN-AI DAUGHTERS | 6         | 7,478     | 4.9                 | 367        |           |               |           |
| STATES- 32                        | 6                      | WITH HERD-MATES  | 6         | 7,478     | 4.9                 | 367        | 25        | 8,023         | 396       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 545-          | 29-       |
| 546861 .....                      | 6                      | NDN-AI DAUGHTERS | 6         | 11,188    | 4.7                 | 522        |           |               |           |
| STATES- 35                        | 6                      | WITH HERD-MATES  | 6         | 11,188    | 4.7                 | 522        | 12        | 10,033        | 489       |
|                                   |                        |                  |           |           |                     |            | DIFF.     | 1155          | 33        |

## SIRE OF OHIA DAUGHTERS

| GUERNSEY       |                                    |                     |  | AV. PRODUCTION OF |        |      |     | AOJ. HERO-MATES |        |     | PREDICTED AV. |     |
|----------------|------------------------------------|---------------------|--|-------------------|--------|------|-----|-----------------|--------|-----|---------------|-----|
|                |                                    |                     |  | RECORDS           | MILK   | TEST | FAT | AV.             | MILK   | FAT | MILK          | FAT |
|                |                                    |                     |  | NUMBER            | L8     | %    | L8  | NUMBER          | L8     | L8  | L8            | L8  |
| 546990         | .....                              |                     |  |                   |        |      |     |                 |        |     |               |     |
| STATES-        | 42                                 | 5 NON-AI DAUGHTERS  |  | 5                 | 9,482  | 4.9  | 460 |                 |        |     |               |     |
|                |                                    | 4 WITH HERD-MATES   |  | 4                 | 10,180 | 4.8  | 488 | 13              | 9,604  | 456 |               |     |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 576    | 32  |               |     |
| 547009         | .....                              |                     |  |                   |        |      |     |                 |        |     |               |     |
| STATES-        | 23,47                              | 5 NON-AI DAUGHTERS  |  | 5                 | 9,560  | 4.9  | 465 |                 |        |     |               |     |
|                |                                    | 5 WITH HERD-MATES   |  | 5                 | 9,560  | 4.9  | 465 | 34              | 8,870  | 403 |               |     |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 690    | 62  |               |     |
| 547105         | .....                              |                     |  |                   |        |      |     |                 |        |     |               |     |
| STATES-        | 43                                 | 6 NON-AI DAUGHTERS  |  | 6                 | 8,882  | 4.9  | 438 |                 |        |     |               |     |
|                |                                    | 6 WITH HERD-MATES   |  | 6                 | 8,882  | 4.9  | 438 | 9               | 9,048  | 423 |               |     |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 166-   | 15  |               |     |
| 547139         | ROUGILLA BARON BALDY.....          |                     |  |                   |        |      |     |                 |        |     |               |     |
| 09-27-57       | 514061 1359102                     | 14 NON-AI DAUGHTERS |  | 18                | 7,636  | 5.1  | 389 |                 |        |     |               |     |
|                | LISTED, 03-64                      | 14 WITH HERD-MATES  |  | 18                | 7,636  | 5.1  | 389 | 14              | 8,166  | 378 |               |     |
| STATES-        | 11                                 |                     |  |                   |        |      |     | DIFF.           | 530-   | 11  |               |     |
| 547341         | .....                              |                     |  |                   |        |      |     |                 |        |     |               |     |
| STATES-        | 56                                 | 5 NON-AI DAUGHTERS  |  | 5                 | 5,232  | 4.7  | 244 |                 |        |     |               |     |
|                |                                    | 5 WITH HERD-MATES   |  | 5                 | 5,232  | 4.7  | 244 | 30              | 7,573  | 337 |               |     |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 2341-  | 93- |               |     |
| 547382         | OLD HOMESTEAD KINSMAN.....         |                     |  |                   |        |      |     |                 |        |     |               |     |
| 08-03-58       | 453207 1422755                     | 16 AI DAUGHTERS-14  |  | 17                | 8,940  | 4.5  | 406 |                 |        |     |               |     |
| AI STUO, 11-01 | LISTED, 05-64                      | 15 WITH HERD-MATES  |  | 16                | 8,914  | 4.6  | 406 | 12              | 9,571  | 464 | 8,300         | 382 |
| STATES-        | 11                                 |                     |  |                   |        |      |     | DIFF.           | 657-   | 58- |               |     |
| 547538         | .....                              |                     |  |                   |        |      |     |                 |        |     |               |     |
| AI STUO, 11-01 |                                    | 5 AI DAUGHTERS-03   |  |                   |        |      |     |                 |        |     |               |     |
| STATES-        | 11                                 | 4 WITH HERD-MATES   |  |                   |        |      |     |                 |        |     |               |     |
|                |                                    | 1 NON-AI DAUGHTERS  |  | 1                 | 8,040  | 4.6  | 366 |                 |        |     |               |     |
|                |                                    | 1 WITH HERD-MATES   |  | 1                 | 8,040  | 4.6  | 366 | 5               | 8,795  | 424 |               |     |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 755-   | 58- |               |     |
| 547543         | .....                              |                     |  |                   |        |      |     |                 |        |     |               |     |
| STATES-        | 31                                 | 5 NON-AI DAUGHTERS  |  | 5                 | 7,994  | 4.6  | 364 |                 |        |     |               |     |
|                |                                    | 5 WITH HERD-MATES   |  | 5                 | 7,994  | 4.6  | 364 | 16              | 8,052  | 363 |               |     |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 58-    | 1   |               |     |
| 547558         | .....                              |                     |  |                   |        |      |     |                 |        |     |               |     |
| STATES-        | 31                                 | 7 NON-AI DAUGHTERS  |  | 7                 | 9,229  | 5.1  | 474 |                 |        |     |               |     |
|                |                                    | 7 WITH HERD-MATES   |  | 7                 | 9,229  | 5.1  | 474 | 12              | 8,847  | 435 |               |     |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 382    | 39  |               |     |
| 547569         | SUNESLOPE-S EMORY-S BUTTERMAN..... |                     |  |                   |        |      |     |                 |        |     |               |     |
| 08-14-58       | 477597 1587481                     | 16 NON-AI DAUGHTERS |  | 18                | 7,470  | 5.1  | 383 |                 |        |     |               |     |
|                | LISTED, 03-64                      | 16 WITH HERD-MATES  |  | 17                | 7,447  | 5.1  | 383 | 9               | 7,675  | 378 |               |     |
| STATES-        | 42                                 |                     |  |                   |        |      |     | DIFF.           | 228-   | 5   |               |     |
| 547581         | .....                              |                     |  |                   |        |      |     |                 |        |     |               |     |
| STATES-        | 35                                 | 6 NON-AI DAUGHTERS  |  | 6                 | 8,212  | 5.2  | 426 |                 |        |     |               |     |
|                |                                    | 6 WITH HERD-MATES   |  | 6                 | 8,212  | 5.2  | 426 | 14              | 9,047  | 421 |               |     |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 835-   | 5   |               |     |
| 547582         | .....                              |                     |  |                   |        |      |     |                 |        |     |               |     |
| STATES-        | 35                                 | 5 NON-AI DAUGHTERS  |  | 5                 | 6,966  | 5.3  | 366 |                 |        |     |               |     |
|                |                                    | 5 WITH HERD-MATES   |  | 5                 | 6,966  | 5.3  | 366 | 8               | 8,672  | 416 |               |     |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 1706-  | 50- |               |     |
| 547626         | PRESTDALE 8. VELOON.....           |                     |  |                   |        |      |     |                 |        |     |               |     |
| 10-11-58       | 496783 1280949                     | 5 AI DAUGHTERS-05   |  | 5                 | 7,522  | 4.4  | 331 |                 |        |     |               |     |
| AI STUO, 41-01 | LISTED, 05-64                      | 5 WITH HERD-MATES   |  | 5                 | 7,522  | 4.4  | 331 | 9               | 8,643  | 408 | 8,285         | 389 |
| STATES-        | 41,42                              |                     |  |                   |        |      |     | DIFF.           | 1121-  | 77- |               |     |
|                |                                    | 1 NON-AI DAUGHTERS  |  | 1                 | 11,100 | 5.1  | 569 |                 |        |     |               |     |
|                |                                    | 1 WITH HERD-MATES   |  | 1                 | 11,100 | 5.1  | 569 | 16              | 9,277  | 471 |               |     |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 1823   | 98  |               |     |
| 547627         | .....                              |                     |  |                   |        |      |     |                 |        |     |               |     |
| STATES-        | 33                                 | 7 NON-AI DAUGHTERS  |  | 7                 | 9,963  | 5.3  | 531 |                 |        |     |               |     |
|                |                                    | 7 WITH HERD-MATES   |  | 7                 | 9,963  | 5.3  | 531 | 9               | 9,863  | 504 |               |     |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 100    | 27  |               |     |
| 547658         | ROLLING ACRES LE BUSTER.....       |                     |  |                   |        |      |     |                 |        |     |               |     |
| 10-22-58       | 493170 1134891                     | 11 NON-AI DAUGHTERS |  | 12                | 9,933  | 4.4  | 436 |                 |        |     |               |     |
|                | LISTED, 03-64                      | 11 WITH HERD-MATES  |  | 12                | 9,933  | 4.4  | 436 | 17              | 10,838 | 497 |               |     |
| STATES-        | 23                                 |                     |  |                   |        |      |     | DIFF.           | 905-   | 61- |               |     |
| 547738         | .....                              |                     |  |                   |        |      |     |                 |        |     |               |     |
| STATES-        | 32                                 | 6 NON-AI DAUGHTERS  |  | 6                 | 7,752  | 5.1  | 396 |                 |        |     |               |     |
|                |                                    | 6 WITH HERD-MATES   |  | 6                 | 7,752  | 5.1  | 396 | 6               | 9,123  | 455 |               |     |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 1371-  | 59- |               |     |
| 547937         | .....                              |                     |  |                   |        |      |     |                 |        |     |               |     |
| STATES-        | 43                                 | 5 NON-AI DAUGHTERS  |  | 5                 | 13,094 | 4.7  | 616 |                 |        |     |               |     |
|                |                                    | 5 WITH HERD-MATES   |  | 5                 | 13,094 | 4.7  | 616 | 5               | 10,020 | 488 |               |     |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 3074   | 128 |               |     |
| 547981         | MEADOW WOOD A. MUSICIAN.....       |                     |  |                   |        |      |     |                 |        |     |               |     |
| 02-26-59       | 489007 1312233                     | 11 NON-AI DAUGHTERS |  | 12                | 9,449  | 4.5  | 423 |                 |        |     |               |     |
|                | LISTED, 03-64                      | 10 WITH HERD-MATES  |  | 11                | 9,526  | 4.4  | 419 | 27              | 10,652 | 505 |               |     |
| STATES-        | 23                                 |                     |  |                   |        |      |     | DIFF.           | 1126-  | 86- |               |     |
| 548036         | .....                              |                     |  |                   |        |      |     |                 |        |     |               |     |
| AI STUO, 52-01 |                                    | 7 AI DAUGHTERS-05   |  | 7                 | 9,229  | 4.9  | 456 |                 |        |     |               |     |
| STATES-        | 52                                 | 6 WITH HERD-MATES   |  | 6                 | 9,920  | 5.0  | 493 | 47              | 9,899  | 469 | 8,659         | 421 |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 21     | 24  |               |     |
| 548055         | .....                              |                     |  |                   |        |      |     |                 |        |     |               |     |
| STATES-        | 23                                 | 5 NON-AI DAUGHTERS  |  | 5                 | 9,786  | 4.5  | 442 |                 |        |     |               |     |
|                |                                    | 5 WITH HERD-MATES   |  | 5                 | 9,786  | 4.5  | 442 | 29              | 9,853  | 472 |               |     |
|                |                                    |                     |  |                   |        |      |     | DIFF.           | 67-    | 30- |               |     |



| SIREs OF OHIA DAUGHTERS |                                 |    |                  | AV. PRODUCTION OF |        |      |     | ADJ. HERD-MATES |        |      | PREDICTED |     |
|-------------------------|---------------------------------|----|------------------|-------------------|--------|------|-----|-----------------|--------|------|-----------|-----|
| GUERNSEY                |                                 |    |                  | RECORDS           | MILK   | TEST | FAT | AV.             | MILK   | FAT  | MILK      | FAT |
|                         |                                 |    |                  | NUMBER            | L8     | %    | L8  | NUMBER          | L8     | L8   | L8        | L8  |
| 548110                  | .....                           | 8  | NDN-AI DAUGHTERS | 8                 | 12,033 | 4.6  | 552 |                 |        |      |           |     |
| STATES- 23              |                                 | 8  | WITH HERD-MATES  | 8                 | 12,033 | 4.6  | 552 | 26              | 12,314 | 526  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 281-   | 26   |           |     |
| 548209                  | ENGLEWOOD ND8LE MINE.....       |    |                  |                   |        |      |     |                 |        |      |           |     |
| 05-27-58                | 480360 1128829                  | 12 | NON-AI DAUGHTERS | 15                | 6,452  | 4.6  | 294 | 10              | 7,286  | 335  |           |     |
| STATES- 41              | LISTED, 11-63                   | 12 | WITH HERD-MATES  | 15                | 6,452  | 4.6  | 294 | DIFF.           | 834-   | 41-  |           |     |
| 548273                  | .....                           | 8  | NON-AI DAUGHTERS | 8                 | 10,048 | 4.9  | 488 |                 |        |      |           |     |
| STATES- 73              |                                 | 8  | WITH HERD-MATES  | 8                 | 10,048 | 4.9  | 488 | 19              | 8,704  | 417  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 1344   | 71   |           |     |
| 548295                  | .....                           | 9  | NON-AI DAUGHTERS | 9                 | 10,689 | 4.4  | 474 |                 |        |      |           |     |
| STATES- 31              |                                 | 9  | WITH HERD-MATES  | 9                 | 10,689 | 4.4  | 474 | 6               | 9,754  | 453  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 935    | 21   |           |     |
| 548449                  | YELLDW CREEK S. CHEERMAKER..... |    |                  |                   |        |      |     |                 |        |      |           |     |
| 03-02-59                | 475595 1060574                  | 13 | AI DAUGHTERS-12  | 13                | 7,226  | 4.8  | 350 |                 |        |      |           |     |
| AI STUD, 21-01          | LISTED, 05-64                   | 11 | WITH HERD-MATES  | 11                | 7,498  | 4.8  | 359 | 10              | 8,531  | 402  | 8,120     | 390 |
| STATES- 21              |                                 | 1  | NDN-AI DAUGHTERS | 1                 | 7,020  | 5.4  | 382 | DIFF.           | 1033-  | 43-  |           |     |
| 548569                  | .....                           | 5  | NON-AI DAUGHTERS | 5                 | 12,958 | 4.9  | 632 |                 |        |      |           |     |
| STATES- 91              |                                 | 5  | WITH HERD-MATES  | 5                 | 12,958 | 4.9  | 632 | 26              | 11,580 | 552  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 1378   | 80   |           |     |
| 548761                  | CEDAR FRINGED KING.....         |    |                  |                   |        |      |     |                 |        |      |           |     |
| 04-25-57                | 515411 1578467                  | 10 | NDN-AI DAUGHTERS | 14                | 9,256  | 4.7  | 439 |                 |        |      |           |     |
| STATES- 23              | LISTED, 08-63                   | 10 | WITH HERD-MATES  | 13                | 9,416  | 4.8  | 449 | 22              | 10,477 | 513  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 1061-  | 64-  |           |     |
| 548860                  | .....                           | 5  | NDN-AI DAUGHTERS | 5                 | 10,508 | 4.7  | 493 |                 |        |      |           |     |
| STATES- 32              |                                 | 5  | WITH HERD-MATES  | 5                 | 10,508 | 4.7  | 493 | 23              | 11,885 | 593  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 1377-  | 100- |           |     |
| 549311                  | .....                           | 6  | NDN-AI DAUGHTERS | 6                 | 9,697  | 4.7  | 453 |                 |        |      |           |     |
| STATES- 23              |                                 | 6  | WITH HERD-MATES  | 6                 | 9,697  | 4.7  | 453 | 15              | 9,535  | 486  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 162    | 33-  |           |     |
| 549393                  | .....                           | 6  | NON-AI DAUGHTERS | 7                 | 6,651  | 4.8  | 322 |                 |        |      |           |     |
| STATES- 23              |                                 | 5  | WITH HERD-MATES  | 6                 | 7,327  | 4.8  | 354 | 19              | 7,444  | 363  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 117-   | 9-   |           |     |
| 549492                  | .....                           | 6  | NDN-AI DAUGHTERS | 7                 | 10,039 | 4.4  | 445 |                 |        |      |           |     |
| STATES- 51              |                                 | 6  | WITH HERD-MATES  | 7                 | 10,039 | 4.4  | 445 | 10              | 8,759  | 417  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 1280   | 28   |           |     |
| 549857                  | MAXVALE-S BETTY-S MASTER.....   |    |                  |                   |        |      |     |                 |        |      |           |     |
| 05-15-58                | 526346 1580111                  | 11 | NON-AI DAUGHTERS | 11                | 9,485  | 5.2  | 492 |                 |        |      |           |     |
| STATES- 91              | LISTED, 03-64                   | 11 | WITH HERD-MATES  | 11                | 9,485  | 5.2  | 492 | 28              | 9,693  | 513  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 208-   | 21-  |           |     |
| 550287                  | YELLDW CREEK H. 8UILDER.....    |    |                  |                   |        |      |     |                 |        |      |           |     |
| 08-11-58                | 496474 1615758                  | 8  | NDN-AI DAUGHTERS | 9                 | 11,275 | 4.9  | 548 |                 |        |      |           |     |
| STATES- 73              | LISTED, 03-64                   | 8  | WITH HERD-MATES  | 9                 | 11,275 | 4.9  | 548 | 21              | 8,769  | 416  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 2506   | 132  |           |     |
| 550470                  | .....                           | 5  | NDN-AI DAUGHTERS | 5                 | 9,652  | 4.6  | 444 |                 |        |      |           |     |
| STATES- 35              |                                 | 5  | WITH HERD-MATES  | 5                 | 9,652  | 4.6  | 444 | 12              | 8,607  | 399  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 1045   | 45   |           |     |
| 551596                  | .....                           | 7  | NDN-AI DAUGHTERS | 7                 | 10,906 | 5.1  | 552 |                 |        |      |           |     |
| STATES- 22,23           |                                 | 7  | WITH HERD-MATES  | 7                 | 10,906 | 5.1  | 552 | 29              | 9,414  | 464  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 1492   | 88   |           |     |
| 552381                  | .....                           | 6  | NDN-AI DAUGHTERS | 7                 | 6,642  | 4.8  | 316 |                 |        |      |           |     |
| STATES- 23              |                                 | 6  | WITH HERD-MATES  | 7                 | 6,642  | 4.8  | 316 | 21              | 7,467  | 342  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 825-   | 26-  |           |     |
| 552765                  | .....                           | 5  | NON-AI DAUGHTERS | 5                 | 8,244  | 5.0  | 414 |                 |        |      |           |     |
| STATES- 23              |                                 | 5  | WITH HERD-MATES  | 5                 | 8,244  | 5.0  | 414 | 16              | 8,336  | 421  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 92-    | 7-   |           |     |
| 553915                  | TUFFY OF QUADRUPLE DAKS.....    |    |                  |                   |        |      |     |                 |        |      |           |     |
| 09-20-56                | 507006 1385206                  | 10 | NDN-AI DAUGHTERS | 14                | 7,251  | 5.4  | 395 |                 |        |      |           |     |
| STATES- 35              | LISTED, 08-63                   | 10 | WITH HERD-MATES  | 14                | 7,251  | 5.4  | 395 | 7               | 8,004  | 406  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 753-   | 11-  |           |     |
| 210041518               | .....                           | 6  | NON-AI DAUGHTERS | 14                | 8,924  | 4.1  | 368 |                 |        |      |           |     |
| STATES- 21              |                                 | 2  | WITH HERD-MATES  | 5                 | 8,760  | 4.1  | 357 | 8               | 8,346  | 383  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 414    | 26-  |           |     |
| 210062414               | .....                           | 5  | NON-AI DAUGHTERS | 7                 | 8,051  | 5.0  | 405 |                 |        |      |           |     |
| STATES- 21              |                                 | 5  | WITH HERD-MATES  | 7                 | 8,051  | 5.0  | 405 | 3               | 8,307  | 409  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 256-   | 4-   |           |     |
| 35WAN6798               | .....                           | 7  | NON-AI DAUGHTERS | 8                 | 8,696  | 4.7  | 408 |                 |        |      |           |     |
| STATES- 35              |                                 | 7  | WITH HERD-MATES  | 8                 | 8,696  | 4.7  | 408 | 5               | 7,937  | 370  |           |     |
|                         |                                 |    |                  |                   |        |      |     | DIFF.           | 759    | 38   |           |     |

## SIREs OF DHIA DAUGHTERS

| GUERNSEY  |               | AV. PRODUCTION OF DAU. |       |      |     | ADJ. HERD-MATES AV. |       |     | PREDICTED AV. |     |
|-----------|---------------|------------------------|-------|------|-----|---------------------|-------|-----|---------------|-----|
|           |               | RECORDS                | MILK  | TEST | FAT | AV.                 | MILK  | FAT | MILK          | FAT |
|           |               | NUMBER                 | LB    | %    | LB  | NUMBER              | LB    | LB  | LB            | LB  |
| 350GG2222 | .....         | 8                      | 9,036 | 4.8  | 433 |                     |       |     |               |     |
|           | LISTED, 03-64 | 8                      |       |      |     |                     |       |     |               |     |
| STATES-   | 35            |                        |       |      |     |                     |       |     |               |     |
| 42WAN4453 | .....         | 18                     | 6,324 | 4.9  | 312 |                     |       |     |               |     |
|           | LISTED, 03-64 | 15                     | 6,774 | 5.0  | 336 |                     |       |     |               |     |
| STATES-   | 42            |                        |       |      |     | 3                   | 8,065 | 375 |               |     |
|           |               |                        |       |      |     | DIFF.               | 1291- | 39- |               |     |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN                     |   |                      | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK L8 | TEST<br>% | DAU.<br>FAT L8 | ADJ.<br>AV. NUMBER | HERO-MATES<br>MILK L8 | AV.<br>FAT L8 | PREDICTED<br>MILK L8 | AV.<br>FAT L8 |
|------------------------------|---|----------------------|-----------------------|--------------------------|-----------|----------------|--------------------|-----------------------|---------------|----------------------|---------------|
| 32164                        | .....                                       | 5 NON-AI DAUGHTERS   | 6                     | 10,799                   | 3.4       | 368            |                    |                       |               |                      |               |
| STATES- 23                   |   | 5 WITH HERD-MATES    | 6                     | 10,799                   | 3.4       | 368            | 8<br>OIFF.         | 11,440<br>641-        | 416<br>48-    |                      |               |
| 797603                       | OLLIE F08ES SEGIS LAO.....                  | 17 NON-AI DAUGHTERS  | 51                    | 11,829                   | 3.6       | 431            |                    |                       |               |                      |               |
| 12-22-39                     | 754053 1930855                              | 3 WITH HERD-MATES    | 18                    | 12,910                   | 3.8       | 485            | 12<br>OIFF.        | 13,054<br>144-        | 484<br>1      |                      |               |
| STATES- 33,35                |   |                      |                       |                          |           |                |                    |                       |               |                      |               |
| 850211                       | YPSI IONIA PRIOR BURKE -TWIN.....           | 11 NON-AI DAUGHTERS  | 23                    | 11,580                   | 3.6       | 414            |                    |                       |               |                      |               |
| 12-10-40                     | 601752 1620608                              | 9 WITH HERD-MATES    | 19                    | 12,104                   | 3.6       | 434            | 25<br>OIFF.        | 13,221<br>1117-       | 462<br>28-    |                      |               |
| STATES- 34                   |   |                      |                       |                          |           |                |                    |                       |               |                      |               |
| 862894                       | .....                                       | 5 NON-AI DAUGHTERS   | 23                    | 13,773                   | 3.4       | 469            |                    |                       |               |                      |               |
| STATES- 21                   |   | 1 WITH HERD-MATES    | 1                     | 17,110                   | 3.1       | 534            | 8<br>OIFF.         | 13,708<br>3402        | 498<br>36     |                      |               |
| 877820                       | GOV INKA ONE-NINE-FIVE BESS HERO PR PL..... | 6 AI DAUGHTERS-06    | 15                    | 12,307                   | 3.4       | 418            |                    |                       |               |                      |               |
| 05-14-43                     | 730828 2141742                              | 6 WITH HERD-MATES    | 15                    | 12,307                   | 3.4       | 418            | 7<br>OIFF.         | 12,097<br>210         | 427<br>9-     | 12,528               | 451           |
| AI STUD, 87-01               |   |                      |                       |                          |           |                |                    |                       |               |                      |               |
| STATES- 83,87                |   | 9 NON-AI DAUGHTERS   | 14                    | 13,704                   | 3.5       | 480            |                    |                       |               |                      |               |
|                              |   | 3 WITH HERD-MATES    | 7                     | 16,741                   | 3.4       | 577            | 5<br>OIFF.         | 12,642<br>4099        | 440<br>137    |                      |               |
| 892456                       | JEWEL COLANTHA.....                         | 18 NON-AI DAUGHTERS  | 23                    | 11,359                   | 3.6       | 408            |                    |                       |               |                      |               |
| 11-16-40                     | 722184 1473675                              | 18 WITH HERD-MATES   | 23                    | 11,359                   | 3.6       | 408            | 13<br>OIFF.        | 12,016<br>657-        | 433<br>25-    |                      |               |
| STATES- 42                   |   |                      |                       |                          |           |                |                    |                       |               |                      |               |
| 895422                       | WINTERHUR WINNER F08ES YUCCA.....           | 62 NON-AI DAUGHTERS  | 218                   | 12,611                   | 3.7       | 463            |                    |                       |               |                      |               |
| 11-25-43                     | 830000 2061873                              | 35 WITH HERD-MATES   | 123                   | 12,612                   | 3.7       | 465            | 12<br>OIFF.        | 13,144<br>532-        | 482<br>17-    |                      |               |
| STATES- 13,14,16,21,23       |   |                      |                       |                          |           |                |                    |                       |               |                      |               |
| 902998                       | .....                                       | 9 NON-AI DAUGHTERS   | 18                    | 11,526                   | 3.5       | 398            |                    |                       |               |                      |               |
| STATES- 31,32                |   | 3 WITH HERD-MATES    | 8                     | 10,562                   | 3.5       | 374            | 3<br>OIFF.         | 11,444<br>882-        | 416<br>42-    |                      |               |
| 903205                       | CARNATION IMPERIAL ADVOCATE.....            | 185 AI DAUGHTERS-25* | 368                   | 12,196                   | 3.7       | 447            |                    |                       |               |                      |               |
| 01-13-44                     | 698462 2068708                              | 180 WITH HERD-MATES  | 362                   | 12,160                   | 3.7       | 445            | 10<br>OIFF.        | 12,565<br>405-        | 454<br>9-     | 12,103               | 447           |
| AI STUD, 87-01               | LISTED, 01-63                               |                      |                       |                          |           |                |                    |                       |               |                      |               |
| STATES- 82,83,87             |   | 22 NON-AI DAUGHTERS  | 88                    | 11,277                   | 3.7       | 417            |                    |                       |               |                      |               |
|                              |   | 21 WITH HERD-MATES   | 86                    | 11,431                   | 3.7       | 424            | 5<br>OIFF.         | 12,092<br>661-        | 448<br>24-    |                      |               |
| 903260                       | LAUXMONT GOLDEN CORSAIR.....                | 613 AI DAUGHTERS-25* | 1449                  | 11,125                   | 3.6       | 403            |                    |                       |               |                      |               |
| 03-11-44                     | 793004 2253625                              | 306 WITH HERD-MATES  | 901                   | 11,512                   | 3.6       | 411            | 10<br>OIFF.        | 11,400<br>112         | 412<br>1-     | 12,476               | 450           |
| AI STUD, 54-01               |   |                      |                       |                          |           |                |                    |                       |               |                      |               |
| STATES- 23,50,51,52,54,55    |   | 30 NON-AI DAUGHTERS  | 92                    | 11,665                   | 3.7       | 437            |                    |                       |               |                      |               |
|                              |   | 13 WITH HERD-MATES   | 54                    | 12,660                   | 3.7       | 471            | 11<br>OIFF.        | 12,007<br>653         | 441<br>30     |                      |               |
| 906106                       | LEONGARO FROST BURKE SPOT.....              | 1 AI DAUGHTERS-01    |                       |                          |           |                |                    |                       |               |                      |               |
| 12-03-42                     | 819479 2191587                              | 1 WITH HERD-MATES    |                       |                          |           |                |                    |                       |               |                      |               |
| AI STUD, 87-01               |   |                      |                       |                          |           |                |                    |                       |               |                      |               |
| STATES- 87                   |   | 6 NON-AI DAUGHTERS   | 15                    | 12,433                   | 3.4       | 426            |                    |                       |               |                      |               |
|                              |   | 2 WITH HERD-MATES    | 11                    | 13,825                   | 3.5       | 477            | 7<br>OIFF.         | 13,525<br>300         | 502<br>25-    |                      |               |
| 914343                       | ALCARTRA DRMSBY DIRECTOR.....               | 30 NON-AI DAUGHTERS  | 86                    | 11,814                   | 3.6       | 423            |                    |                       |               |                      |               |
| 10-22-43                     | 758123 2087874                              | 5 WITH HERD-MATES    | 13                    | 12,334                   | 3.6       | 443            | 20<br>OIFF.        | 13,287<br>953-        | 475<br>32-    |                      |               |
| STATES- 21                   |   |                      |                       |                          |           |                |                    |                       |               |                      |               |
| 915931                       | HENRYHOME SIR HONEY LOU ALCARTRA.....       | 24 NON-AI DAUGHTERS  | 53                    | 11,593                   | 3.3       | 388            |                    |                       |               |                      |               |
| 11-20-42                     | 811944 1943761                              | 3 WITH HERD-MATES    | 6                     | 11,444                   | 3.4       | 388            | 27<br>OIFF.        | 12,431<br>987-        | 426<br>38-    |                      |               |
| STATES- 21                   |   |                      |                       |                          |           |                |                    |                       |               |                      |               |
| 926151                       | SIR HESTER HOMESTEAD DRMSBY.....            | 8 NON-AI DAUGHTERS   | 22                    | 14,402                   | 3.3       | 478            |                    |                       |               |                      |               |
| 03-23-45                     | 776516 2256750                              | 8 WITH HERD-MATES    | 19                    | 14,536                   | 3.3       | 483            | 21<br>OIFF.        | 13,195<br>1341        | 468<br>15     |                      |               |
| STATES- 82,87,91,92          |   |                      |                       |                          |           |                |                    |                       |               |                      |               |
| 949139                       | OSBORNOALE SIR DRMSBY LOCHINVAR.....        | 266 AI DAUGHTERS-25* | 701                   | 12,680                   | 3.7       | 468            |                    |                       |               |                      |               |
| 09-19-45                     | 855938 2399336                              | 224 WITH HERD-MATES  | 609                   | 12,798                   | 3.7       | 471            | 25<br>OIFF.        | 12,686<br>112         | 470<br>1      | 12,596               | 457           |
| AI STUD, 22-03               |   |                      |                       |                          |           |                |                    |                       |               |                      |               |
| STATES- 13,14,21,22,23,50,52 |   | 26 NON-AI DAUGHTERS  | 91                    | 13,290                   | 3.7       | 493            |                    |                       |               |                      |               |
|                              |   | 7 WITH HERD-MATES    | 28                    | 13,056                   | 3.7       | 486            | 6<br>OIFF.         | 12,277<br>779         | 458<br>28     |                      |               |
| 955617                       | .....                                       | 5 NON-AI DAUGHTERS   | 12                    | 14,532                   | 3.7       | 531            |                    |                       |               |                      |               |
| STATES- 21                   |   | 1 WITH HERD-MATES    | 1                     | 14,100                   | 3.1       | 442            | 2<br>OIFF.         | 12,767<br>1333        | 514<br>72-    |                      |               |
| 969938                       | TILFA CARNATION PREMIER.....                | 669 AI DAUGHTERS-25* | 1309                  | 11,739                   | 3.5       | 408            |                    |                       |               |                      |               |
| 06-14-45                     | 857472 2367974                              | 616 WITH HERD-MATES  | 1211                  | 11,760                   | 3.5       | 409            | 10<br>OIFF.        | 12,018<br>258-        | 429<br>20-    | 12,174               | 432           |
| AI STUD, 41-01               | LISTED, 03-64                               |                      |                       |                          |           |                |                    |                       |               |                      |               |
| STATES- 41,42,45,47,48       |   | 30 NON-AI DAUGHTERS  | 79                    | 11,587                   | 3.5       | 405            |                    |                       |               |                      |               |
|                              |   | 19 WITH HERD-MATES   | 52                    | 11,373                   | 3.5       | 393            | 7<br>OIFF.         | 11,883<br>510-        | 419<br>26-    |                      |               |



## SIRE OF DHIA DAUGHTERS

| Sires of Data Daughters   |                                   |      |                  | Av. Production of Dau. |        |      |     | Adj. Herd-Mates |        | Av. Predicted |        |     |
|---|-----------------------------------|------|------------------|------------------------|--------|------|-----|-----------------|--------|---------------|--------|-----|
| HDLSTEIN  |                                   |      |                  | RECDRDS                | MILK   | TEST | FAT | AV.             | MILK   | FAT           | MILK   | AV. |
|   |                                   |      |                  | NUMBER                 | L8     | %    | L8  | NUMBER          | L8     | L8            | L8     | L8  |
| 975138  | PA8ST RAM8LER WALKER.....         |      |                  |                        |        |      |     |                 |        |               |        |     |
| 06-13-46  | 916876 2054580                    | 2396 | AI DAUGHTERS-25* | 4828                   | 13,944 | 3.6  | 502 |                 |        |               |        |     |
| AI STUD, 23-02  | LISTED, 05-64                     | 2349 | WITH HERD-MATES  | 4706                   | 13,963 | 3.6  | 502 | 11              | 12,960 | 478           | 13,512 | 481 |
| STATES- 21,22,23,50,51  |                                   |      |                  |                        |        |      |     | DIFF.           | 1003   | 24            |        |     |
|   |                                   | 71   | NDN-AI DAUGHTERS | 272                    | 13,271 | 3.5  | 458 |                 |        |               |        |     |
|   |                                   | 36   | WITH HERD-MATES  | 142                    | 13,714 | 3.5  | 476 | 7               | 12,671 | 453           |        |     |
|   |                                   |      |                  |                        |        |      |     | DIFF.           | 1043   | 23            |        |     |
| 989619  | WELMDNS DSCAR SEGIS.....          |      |                  |                        |        |      |     |                 |        |               |        |     |
| 09-14-46  | 961058 2700289                    | 11   | NON-AI DAUGHTERS | 33                     | 11,359 | 3.6  | 407 |                 |        |               |        |     |
| STATES- 21  |                                   | 1    | WITH HERD-MATES  | 1                      | 13,880 | 3.2  | 448 | 7               | 13,749 | 536           |        |     |
|   |                                   |      |                  |                        |        |      |     | DIFF.           | 131    | 88-           |        |     |
| 1000403   | 8REEZY LANE MODEL CONQUEROR.....  |      |                  |                        |        |      |     |                 |        |               |        |     |
| 12-06-46  | 736132 2046047                    | 11   | NON-AI DAUGHTERS | 23                     | 9,426  | 3.7  | 349 |                 |        |               |        |     |
| STATES- 33,43,48,71   |                                   | 3    | WITH HERD-MATES  | 8                      | 8,110  | 3.7  | 299 | 11              | 11,467 | 408           |        |     |
|   |                                   |      |                  |                        |        |      |     | DIFF.           | 3357-  | 109-          |        |     |
| 1001748   | CARNATION CEDRIC INSPIRATION..... |      |                  |                        |        |      |     |                 |        |               |        |     |
| 11-24-46  | 933204 2422157                    | 958  | AI DAUGHTERS-25* | 1460                   | 13,005 | 3.8  | 489 |                 |        |               |        |     |
| AI STUD, 31-01  | LISTED, 05-64                     | 847  | WITH HERD-MATES  | 1307                   | 13,024 | 3.8  | 491 | 14              | 13,413 | 486           | 12,182 | 463 |
| STATES- 15,31,32,33,34,43,54, 56,61,63,71,74,84,85  |                                   |      |                  |                        |        |      |     | OIFF.           | 389-   | 5             |        |     |
|   |                                   | 8    | NDN-AI DAUGHTERS | 18                     | 12,770 | 3.8  | 482 |                 |        |               |        |     |
|   |                                   | 6    | WITH HERD-MATES  | 13                     | 12,820 | 3.8  | 491 | 6               | 13,329 | 488           |        |     |
|   |                                   |      |                  |                        |        |      |     | OIFF.           | 509-   | 3             |        |     |
| 1002274   | SDVEREIGN RAG APPLE MARKSMAN..... |      |                  |                        |        |      |     |                 |        |               |        |     |
| 08-20-46  | 010179555 010526100               | 16   | NDN-AI DAUGHTERS | 41                     | 11,654 | 3.6  | 423 |                 |        |               |        |     |
| STATES- 11,21,23  |                                   | 6    | WITH HERD-MATES  | 15                     | 12,382 | 3.7  | 460 | 15              | 13,515 | 490           |        |     |
|   |                                   |      |                  |                        |        |      |     | DIFF.           | 1133-  | 30-           |        |     |
| 1004259   | FDRSGATE CARNATION LDCHINVAR..... |      |                  |                        |        |      |     |                 |        |               |        |     |
| 02-16-47  | 947693 2383545                    | 51   | AI DAUGHTERS-08  | 134                    | 10,921 | 3.5  | 384 |                 |        |               |        |     |
| AI STUD, 22-06  |                                   | 22   | WITH HERD-MATES  | 75                     | 11,036 | 3.5  | 381 | 23              | 11,171 | 407           | 12,301 | 435 |
| STATES- 22,23,52  |                                   |      |                  |                        |        |      |     | OIFF.           | 135-   | 26-           |        |     |
|   |                                   | 7    | NON-AI DAUGHTERS | 18                     | 10,505 | 3.6  | 381 |                 |        |               |        |     |
|   |                                   | 2    | WITH HERD-MATES  | 6                      | 9,512  | 3.5  | 337 | 62              | 10,410 | 374           |        |     |
|   |                                   |      |                  |                        |        |      |     | DIFF.           | 898-   | 37-           |        |     |
| 1009071   | PIETJE INKA DE KOL.....           |      |                  |                        |        |      |     |                 |        |               |        |     |
| 09-16-47  | 894517 2593745                    | 15   | NDN-AI DAUGHTERS | 16                     | 10,022 | 3.6  | 359 |                 |        |               |        |     |
| STATES- 21  |                                   | 3    | WITH HERD-MATES  | 4                      | 12,377 | 3.6  | 451 | 3               | 12,754 | 425           |        |     |
|   |                                   |      |                  |                        |        |      |     | DIFF.           | 377-   | 26            |        |     |
| 1013145   | .....                             |      |                  |                        |        |      |     |                 |        |               |        |     |
|   |                                   | 5    | NON-AI DAUGHTERS | 5                      | 14,826 | 3.5  | 512 |                 |        |               |        |     |
| STATES- 21,31   |                                   | 1    | WITH HERD-MATES  | 1                      | 20,680 | 3.4  | 705 | 11              | 16,056 | 590           |        |     |
|   |                                   |      |                  |                        |        |      |     | DIFF.           | 4624   | 115           |        |     |
| 1013415   | WIS BURKE IDEAL.....              |      |                  |                        |        |      |     |                 |        |               |        |     |
| 05-17-47  | 933122 2454577                    | 1474 | AI DAUGHTERS-25* | 3208                   | 13,826 | 3.6  | 492 |                 |        |               |        |     |
| AI STUD, 31-02  | LISTED, 03-64                     | 1402 | WITH HERD-MATES  | 3075                   | 13,841 | 3.6  | 493 | 14              | 13,498 | 489           | 12,913 | 462 |
| STATES- 11,12,13,14,21,22,23, 31,32,33,34,35,41,42,43,45,48, 51,52,54,55,56,57,61,63,71,74, 81,82,84,86,87,93 |                                   |      |                  |                        |        |      |     | DIFF.           | 343    | 4             |        |     |
|   |                                   | 39   | NDN-AI DAUGHTERS | 126                    | 14,561 | 3.7  | 534 |                 |        |               |        |     |
|   |                                   | 18   | WITH HERD-MATES  | 52                     | 13,394 | 3.5  | 473 | 15              | 13,401 | 483           |        |     |
|   |                                   |      |                  |                        |        |      |     | DIFF.           | 7-     | 10-           |        |     |
| 1014754   | PDLYTECHNIC IMPERIAL WAYNE.....   |      |                  |                        |        |      |     |                 |        |               |        |     |
| 07-12-47  | 878257 2569950                    | 116  | AI DAUGHTERS-25* | 215                    | 13,184 | 3.8  | 503 |                 |        |               |        |     |
| AI STUD, 47-01  | LISTED, 01-63                     | 110  | WITH HERD-MATES  | 206                    | 13,183 | 3.8  | 503 | 22              | 12,917 | 469           | 12,751 | 487 |
| STATES- 42,47,48,72   |                                   |      |                  |                        |        |      |     | DIFF.           | 266    | 34            |        |     |
|   |                                   | 42   | NDN-AI DAUGHTERS | 164                    | 14,673 | 3.9  | 566 |                 |        |               |        |     |
|   |                                   | 27   | WITH HERD-MATES  | 107                    | 14,669 | 3.9  | 565 | 13              | 13,193 | 491           |        |     |
|   |                                   |      |                  |                        |        |      |     | DIFF.           | 1476   | 74            |        |     |
| 1016135   | ST CRDIXCO ACE DRMSBY.....        |      |                  |                        |        |      |     |                 |        |               |        |     |
| 08-23-47  | 966917 2536726                    | 33   | AI DAUGHTERS-25* | 73                     | 12,635 | 3.6  | 456 |                 |        |               |        |     |
| AI STUD, 41-14  |                                   | 31   | WITH HERD-MATES  | 70                     | 12,583 | 3.6  | 455 | 12              | 12,649 | 461           | 12,436 | 451 |
| STATES- 35,41,42,45,84  |                                   |      |                  |                        |        |      |     | DIFF.           | 66-    | 6-            |        |     |
|   |                                   | 33   | NON-AI DAUGHTERS | 98                     | 13,080 | 3.8  | 492 |                 |        |               |        |     |
|   |                                   | 30   | WITH HERD-MATES  | 93                     | 13,023 | 3.7  | 488 | 8               | 12,856 | 466           |        |     |
|   |                                   |      |                  |                        |        |      |     | DIFF.           | 167    | 22            |        |     |
| 1018730   | EDMAC NANENE WDDDSMAN.....        |      |                  |                        |        |      |     |                 |        |               |        |     |
| 08-12-46  | 812226 2441591                    | 8    | NDN-AI DAUGHTERS | 15                     | 12,241 | 3.3  | 409 |                 |        |               |        |     |
| STATES- 31  |                                   | 6    | WITH HERD-MATES  | 10                     | 12,132 | 3.4  | 408 | 5               | 11,921 | 417           |        |     |
|   |                                   |      |                  |                        |        |      |     | DIFF.           | 211    | 9-            |        |     |
| 1019107   | VERNWAY IMPERIAL LAD.....         |      |                  |                        |        |      |     |                 |        |               |        |     |
| 05-08-46  | 837650 2048943                    | 14   | AI DAUGHTERS-14  | 36                     | 13,443 | 3.7  | 492 |                 |        |               |        |     |
| AI STUD, 91-01  |                                   | 14   | WITH HERD-MATES  | 36                     | 13,443 | 3.7  | 492 | 12              | 13,211 | 473           | 12,633 | 466 |
| STATES- 91  |                                   |      |                  |                        |        |      |     | DIFF.           | 232    | 19            |        |     |
|   |                                   | 1    | NON-AI DAUGHTERS | 6                      | 14,338 | 3.8  | 544 |                 |        |               |        |     |
|   |                                   | 1    | WITH HERD-MATES  | 6                      | 14,338 | 3.8  | 544 | 9               | 13,528 | 505           |        |     |
|   |                                   |      |                  |                        |        |      |     | DIFF.           | 810    | 39            |        |     |
| 1020473   | CASHMAN GRACEFUL MISTER.....      |      |                  |                        |        |      |     |                 |        |               |        |     |
| 11-10-47  | 968656 2354812                    | 1021 | AI DAUGHTERS-25* | 2580                   | 12,735 | 3.8  | 483 |                 |        |               |        |     |
| AI STUD, 23-07  | LISTED, 03-64                     | 1015 | WITH HERD-MATES  | 2564                   | 12,739 | 3.8  | 484 | 15              | 13,088 | 486           | 12,190 | 456 |
| STATES- 12,13,14,15,16,21,22, 23,34,50,51,52,54,55,84   |                                   |      |                  |                        |        |      |     | DIFF.           | 349-   | 2-            |        |     |
|   |                                   | 85   | NDN-AI DAUGHTERS | 313                    | 12,455 | 3.8  | 476 |                 |        |               |        |     |
|   |                                   | 56   | WITH HERD-MATES  | 234                    | 12,198 | 3.8  | 469 | 11              | 12,905 | 473           |        |     |
|   |                                   |      |                  |                        |        |      |     | OIFF.           | 707-   | 4-            |        |     |
| 1022513   | BUENA FARM PRINCE SUNFLOWER.....  |      |                  |                        |        |      |     |                 |        |               |        |     |
| 12-17-47  | 851129 2578726                    | 11   | NDN-AI DAUGHTERS | 34                     | 11,447 | 3.6  | 407 |                 |        |               |        |     |
| STATES- 84  |                                   | 11   | WITH HERD-MATES  | 34                     | 11,447 | 3.6  | 407 | 11              | 11,887 | 420           |        |     |
|   |                                   |      |                  |                        |        |      |     | DIFF.           | 440-   | 13-           |        |     |
| 1028963   | OAK-A-ODN SIR BESS KING.....      |      |                  |                        |        |      |     |                 |        |               |        |     |
| 12-25-46  | 899632 2246359                    | 193  | AI DAUGHTERS-25* | 492                    | 12,122 | 3.8  | 459 |                 |        |               |        |     |
| AI STUD, 31-02  |                                   | 182  | WITH HERD-MATES  | 471                    | 12,158 | 3.8  | 461 | 12              | 12,861 | 461           | 11,853 | 456 |
| STATES- 31,32,34,54,56,74   |                                   |      |                  |                        |        |      |     | DIFF.           | 703-   |               |        |     |
|   |                                   | 16   | NON-AI DAUGHTERS | 54                     | 14,238 | 3.7  | 533 |                 |        |               |        |     |
|   |                                   | 15   | WITH HERD-MATES  | 42                     | 13,655 | 3.8  | 513 | 9               | 13,553 | 488           |        |     |
|   |                                   |      |                  |                        |        |      |     | DIFF.           | 102    | 25            |        |     |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN                      |   |      |                  |      | AV. PRODUCTION OF | AOJ. | HERD-MATES | AV.   | PREDICTED | AV. |
|-------------------------------|---|------|------------------|------|-------------------|------|------------|-------|-----------|-----|
|                               |   |      |                  |      | RECORDS           | AV.  | MILK       | FAT   | MILK      | FAT |
|                               |   |      |                  |      | NUMBER            | LB   | %          | LB    | NUMBER    | LB  |
| 1032617                       | OISTINCTION MAGIC COUNT.....            |      |                  |      |                   |      |            |       |           |     |
| 03-21-48                      | 986249 2646639                          | 495  | AI DAUGHTERS-25* | 979  | 13,037            | 3.7  | 481        |       |           |     |
| AI STUO, 35-02                | LISTED, 05-64                           | 486  | WITH HERD-MATES  | 962  | 13,031            | 3.7  | 481        | 14    | 13,033    | 473 |
| STATES- 16,22,23,32,34,35,51, |   |      |                  |      |                   |      |            | OIFF. | 2-        | 8   |
| 64                            |   | 9    | NON-AI DAUGHTERS | 22   | 12,976            | 3.7  | 477        |       |           |     |
|                               |   | 9    | WITH HERD-MATES  | 21   | 12,969            | 3.7  | 477        | 8     | 13,048    | 465 |
|                               |   |      |                  |      |                   |      |            | DIFF. | 79-       | 12  |
| 1033088                       | CHRISTY HOMESTEAD INTENSITY.....        |      |                  |      |                   |      |            |       |           |     |
| 10-18-47                      | 943799 2593415                          | 215  | AI DAUGHTERS-25* | 373  | 11,750            | 3.7  | 435        |       |           |     |
| AI STUO, 35-02                | LISTED, 08-62                           | 207  | WITH HERD-MATES  | 364  | 11,795            | 3.7  | 437        | 15    | 12,680    | 458 |
| STATES- 22,33,34,35,42,47,57  |   |      |                  |      |                   |      |            | DIFF. | 885-      | 21- |
|                               |   | 39   | NON-AI DAUGHTERS | 176  | 12,167            | 3.8  | 460        |       |           |     |
|                               |   | 39   | WITH HERD-MATES  | 175  | 12,145            | 3.8  | 459        | 18    | 12,822    | 465 |
|                               |   |      |                  |      |                   |      |            | OIFF. | 677-      | 6-  |
| 1034568                       | R M F ADANTHA PERFECTION LUKE.....      |      |                  |      |                   |      |            |       |           |     |
| 01-20-48                      | 784131 2276898                          | 10   | NON-AI DAUGHTERS | 16   | 12,590            | 3.4  | 426        |       |           |     |
| STATES- 21,52                 |   | 4    | WITH HERD-MATES  | 4    | 16,283            | 3.1  | 509        | 11    | 14,847    | 485 |
|                               |   |      |                  |      |                   |      |            | OIFF. | 1436      | 24  |
| 1035164                       | PABST ROBURKE BELMONT.....              |      |                  |      |                   |      |            |       |           |     |
| 01-22-48                      | 859213 2396435                          | 270  | AI DAUGHTERS-25* | 504  | 14,160            | 3.5  | 493        |       |           |     |
| AI STUO, 31-01                | LISTED, 03-64                           | 257  | WITH HERD-MATES  | 484  | 14,197            | 3.5  | 493        | 14    | 13,083    | 473 |
| STATES- 23,31,32,33,34,41,43, |   |      |                  |      |                   |      |            | DIFF. | 1114      | 20  |
| 54,58,61,74,84,85             |   | 39   | NON-AI DAUGHTERS | 82   | 12,000            | 3.6  | 431        |       |           |     |
|                               |   | 34   | WITH HERD-MATES  | 66   | 11,555            | 3.6  | 415        | 11    | 11,924    | 441 |
|                               |   |      |                  |      |                   |      |            | DIFF. | 369-      | 26- |
| 1036D15                       | BOXWOOD PHILLIP DE KOL.....             |      |                  |      |                   |      |            |       |           |     |
| 04-14-47                      | 910881 2350499                          | 9    | NON-AI DAUGHTERS | 33   | 12,588            | 3.4  | 428        |       |           |     |
| STATES- 51                    |   | 6    | WITH HERD-MATES  | 25   | 12,994            | 3.4  | 446        | 8     | 11,852    | 445 |
|                               |   |      |                  |      |                   |      |            | OIFF. | 1142      | 1   |
| 1038489                       | PABST COMET WAYNE PRILLY.....           |      |                  |      |                   |      |            |       |           |     |
| 02-27-48                      | 959466 2181829                          | 2670 | AI DAUGHTERS-25* | 6292 | 13,029            | 3.8  | 495        |       |           |     |
| AI STUO, 23-04                | LISTED, 05-64                           | 2559 | WITH HERD-MATES  | 6003 | 13,053            | 3.8  | 496        | 11    | 13,075    | 490 |
| STATES- 14,15,21,22,23,50,51, |   |      |                  |      |                   |      |            | DIFF. | 22-       | 6   |
| 52,55,56,57,72                |   | 31   | NON-AI DAUGHTERS | 78   | 12,485            | 3.7  | 462        |       |           |     |
|                               |   | 24   | WITH HERD-MATES  | 67   | 13,063            | 3.7  | 482        | 7     | 13,168    | 487 |
|                               |   |      |                  |      |                   |      |            | OIFF. | 105-      | 5-  |
| 1039526                       | B D I GLOSSY AIDE.....                  |      |                  |      |                   |      |            |       |           |     |
| 12-09-47                      | 743882 2222062                          | 10   | AI DAUGHTERS-D5  | 12   | 12,474            | 3.4  | 425        |       |           |     |
| AI STUO, 72-D1                |   | 10   | WITH HERD-MATES  | 12   | 12,474            | 3.4  | 425        | 27    | 11,358    | 399 |
| STATES- 72                    |   |      |                  |      |                   |      |            | DIFF. | 1116      | 26  |
|                               |   | 33   | NON-AI DAUGHTERS | 97   | 11,058            | 3.4  | 379        |       |           |     |
|                               |   | 16   | WITH HERD-MATES  | 57   | 11,189            | 3.4  | 375        | 14    | 10,875    | 387 |
|                               |   |      |                  |      |                   |      |            | OIFF. | 314       | 12- |
| 1039626                       | WORCHESTER ORMSBY HAPPY.....            |      |                  |      |                   |      |            |       |           |     |
| 03-19-48                      | 790106 2189028                          | 23   | NON-AI DAUGHTERS | 57   | 14,323            | 3.5  | 503        |       |           |     |
| STATES- 14                    |   | 21   | WITH HERD-MATES  | 53   | 14,090            | 3.5  | 494        | 51    | 15,586    | 555 |
|                               |   |      |                  |      |                   |      |            | OIFF. | 1496-     | 61- |
| 1040802                       | OICK FIVE STAR MONTVIC SOVEREIGN.....   |      |                  |      |                   |      |            |       |           |     |
| 05-D3-48                      | 1008267 2648579                         | 30   | NON-AI DAUGHTERS | 138  | 10,668            | 3.6  | 381        |       |           |     |
| STATES- 23,51                 |   | 28   | WITH HERD-MATES  | 129  | 10,691            | 3.6  | 381        | 9     | 12,416    | 453 |
|                               |   |      |                  |      |                   |      |            | OIFF. | 1725-     | 72- |
| 1042139                       | CLYDE HILL QUINO KING FOBES - TWIN..... |      |                  |      |                   |      |            |       |           |     |
| 06-D4-48                      | 835633 2138797                          | 303  | AI DAUGHTERS-25* | 575  | 13,461            | 3.5  | 471        |       |           |     |
| AI STUO, 31-01                | LISTED, 05-64                           | 269  | WITH HERD-MATES  | 511  | 13,535            | 3.5  | 473        | 11    | 13,271    | 484 |
| STATES- 21,23,31,33,41,74     |   |      |                  |      |                   |      |            | OIFF. | 264       | 11- |
|                               |   | 56   | NON-AI DAUGHTERS | 249  | 14,079            | 3.6  | 504        |       |           |     |
|                               |   | 44   | WITH HERD-MATES  | 211  | 14,266            | 3.6  | 510        | 15    | 13,860    | 514 |
|                               |   |      |                  |      |                   |      |            | DIFF. | 406       | 4-  |
| 1042291                       | .....                                   |      |                  |      |                   |      |            |       |           |     |
|                               |   | 6    | NON-AI DAUGHTERS | 9    | 14,954            | 3.5  | 530        |       |           |     |
| STATES- 31                    |   | 6    | WITH HERD-MATES  | 9    | 14,954            | 3.5  | 530        | 7     | 13,399    | 479 |
|                               |   |      |                  |      |                   |      |            | OIFF. | 1555      | 51  |
| 1042708                       | WINOY SHADE POSCH DUNLOGGIN A.....      |      |                  |      |                   |      |            |       |           |     |
| 05-30-48                      | 835919 2706162                          | 4    | AI DAUGHTERS-D3  |      |                   |      |            |       |           |     |
| AI STUO, 72-D1                | LISTED, 11-63                           | 4    | WITH HERD-MATES  |      |                   |      |            |       |           |     |
| STATES- 31,61,72              |   |      |                  |      |                   |      |            |       |           |     |
|                               |   | 4    | NON-AI DAUGHTERS | 5    | 14,345            | 3.3  | 478        |       |           |     |
|                               |   | 4    | WITH HERD-MATES  | 5    | 14,345            | 3.3  | 478        | 16    | 12,912    | 457 |
|                               |   |      |                  |      |                   |      |            | OIFF. | 1433      | 21  |
| 1042917                       | MENOOCINO OUK AAGGIE STAR.....          |      |                  |      |                   |      |            |       |           |     |
| 10-14-47                      | 879747 1807379                          | 34   | AI DAUGHTERS-D6  | 50   | 14,540            | 3.5  | 514        |       |           |     |
| AI STUO, 93-10                | LISTED, 05-64                           | 34   | WITH HERD-MATES  | 50   | 14,540            | 3.5  | 514        | 29    | 14,608    | 526 |
| STATES- 93                    |   |      |                  |      |                   |      |            | OIFF. | 68-       | 12- |
|                               |   | 24   | NON-AI DAUGHTERS | 48   | 13,006            | 4.1  | 539        |       |           |     |
|                               |   | 1    | WITH HERD-MATES  | 1    | 14,140            | 4.0  | 572        | 3     | 11,238    | 447 |
|                               |   |      |                  |      |                   |      |            | OIFF. | 2902      | 125 |
| 1043850                       | .....                                   |      |                  |      |                   |      |            |       |           |     |
|                               |   | 5    | NON-AI DAUGHTERS | 13   | 12,823            | 3.6  | 463        |       |           |     |
| STATES- 31,41                 |   | 3    | WITH HERD-MATES  | 9    | 12,549            | 3.5  | 436        | 8     | 12,786    | 457 |
|                               |   |      |                  |      |                   |      |            | OIFF. | 237-      | 21- |
| 1044481                       | ORMSBY LAVERTA ARTIS.....               |      |                  |      |                   |      |            |       |           |     |
| 07-D4-48                      | 963607 2973974                          | 5    | NON-AI DAUGHTERS | 6    | 11,916            | 3.4  | 404        |       |           |     |
| STATES- 41                    | LISTED, 05-64                           | 5    | WITH HERD-MATES  | 6    | 11,916            | 3.4  | 404        | 3     | 13,029    | 451 |
|                               |   |      |                  |      |                   |      |            | OIFF. | 1113-     | 47- |
| 1044678                       | B O I GRAND QUALITY.....                |      |                  |      |                   |      |            |       |           |     |
| 03-22-48                      | 743882 2298918                          | 30   | NON-AI DAUGHTERS | 48   | 14,239            | 3.4  | 488        |       |           |     |
| STATES- 31                    | LISTED, 08-63                           | 30   | WITH HERD-MATES  | 48   | 14,239            | 3.4  | 488        | 22    | 14,642    | 522 |
|                               |   |      |                  |      |                   |      |            | DIFF. | 403-      | 34- |

## SIRE OF DHIA DAUGHTERS

| SIRES OF DATA DAUGHTERS                           |  |  |  |  | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERO-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|---|--|--|--|--|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| HOLSTEIN  |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 1046259 PENSTATE JOSIE AUTOCRAT.....              |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 08-16-48 741318 1833094 1002 AI DAUGHTERS-25*     |  |  |  |  | 2646        | 12,684                | 3.7    | 464         |                 |                    |            |                   |            |
| AI STUO, 23-02 LISTED, 05-64 979 WITH HERD-MATES  |  |  |  |  | 2540        | 12,708                | 3.7    | 464         | 10              | 12,668             | 469        | 12,530            | 451        |
| STATES- 21,23,72,85                               |  |  |  |  |             |                       |        |             | OIFF.           | 40                 | 5-         |                   |            |
| 1048432 BUX-MONT STAR JOE.....                    |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 05-14-48 1009251 2354525 39 NON-AI DAUGHTERS      |  |  |  |  | 67          | 12,641                | 3.5    | 444         |                 |                    |            |                   |            |
| LISTED, 01-63 37 WITH HERD-MATES                  |  |  |  |  | 61          | 12,587                | 3.5    | 443         | 12              | 12,665             | 462        |                   |            |
| STATES- 34  |  |  |  |  |             |                       |        |             | OIFF.           | 78-                | 19-        |                   |            |
| 1049152 MANOAN OUD PRINCE BELMONT.....            |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 09-19-48 950496 2528367 5 NON-AI DAUGHTERS        |  |  |  |  | 15          | 12,788                | 3.6    | 463         |                 |                    |            |                   |            |
| LISTED, 05-64 5 WITH HERD-MATES                   |  |  |  |  | 14          | 12,842                | 3.6    | 463         | 8               | 11,861             | 428        |                   |            |
| STATES- 41  |  |  |  |  |             |                       |        |             | OIFF.           | 981                | 35         |                   |            |
| 1049179 SEGO ROAD CHIEFTAIN BURKE.....            |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 03-25-48 1030709 2508467 10 AI DAUGHTERS-06       |  |  |  |  | 32          | 13,560                | 3.6    | 490         |                 |                    |            |                   |            |
| AI STUO, 87-01 6 WITH HERD-MATES                  |  |  |  |  | 16          | 13,953                | 3.6    | 496         | 4               | 12,861             | 469        | 12,844            | 464        |
| STATES- 87  |  |  |  |  |             |                       |        |             | OIFF.           | 1092               | 27         |                   |            |
|   |  |  |  |  | 4           | 13,170                | 3.5    | 460         |                 |                    |            |                   |            |
|   |  |  |  |  | 3           | 11,927                | 3.5    | 420         | 10              | 12,463             | 436        |                   |            |
|   |  |  |  |  |             |                       |        |             | OIFF.           | 536-               | 16-        |                   |            |
| 1049402 ELLINGDALE WOODBINE FERN.....             |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 08-20-48 950647 2045509 582 AI DAUGHTERS-25*      |  |  |  |  | 861         | 14,734                | 3.6    | 532         |                 |                    |            |                   |            |
| AI STUO, 35-75 LISTED, 03-64 566 WITH HERD-MATES  |  |  |  |  | 837         | 14,765                | 3.6    | 533         | 41              | 14,302             | 515        | 13,098            | 478        |
| STATES- 12,13,21,22,23,31,33,                     |  |  |  |  |             |                       |        |             | OIFF.           | 463                | 18         |                   |            |
| 34,35,42,46,55,82,84,85,86,87,                    |  |  |  |  | 35          | 15,715                | 3.7    | 579         |                 |                    |            |                   |            |
| 91,92,93 34 WITH HERD-MATES                       |  |  |  |  | 100         | 15,718                | 3.7    | 578         | 9               | 14,361             | 561        |                   |            |
|   |  |  |  |  |             |                       |        |             | OIFF.           | 1357               | 17         |                   |            |
| 1049547 CHEMCO DEAN SEGIS.....                    |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 11-06-48 761977 2369115 2360 AI DAUGHTERS-25*     |  |  |  |  | 5126        | 13,833                | 3.5    | 488         |                 |                    |            |                   |            |
| AI STUO, 21-01 LISTED, 05-64 1992 WITH HERD-MATES |  |  |  |  | 4525        | 13,856                | 3.5    | 490         | 19              | 13,259             | 481        | 13,140            | 467        |
| STATES- 12,13,14,15,16,21,22,                     |  |  |  |  |             |                       |        |             | OIFF.           | 597                | 9          |                   |            |
| 23,51,52,55,56,57 65 NON-AI DAUGHTERS             |  |  |  |  | 174         | 13,162                | 3.6    | 468         |                 |                    |            |                   |            |
|   |  |  |  |  | 35          | 13,259                | 3.6    | 475         | 13              | 12,595             | 456        |                   |            |
|   |  |  |  |  |             |                       |        |             | OIFF.           | 664                | 19         |                   |            |
| 1049736 VALLA VISTA TYPESETTER PATSY.....         |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 08-31-48 984752 2049669 102 AI DAUGHTERS-25*      |  |  |  |  | 165         | 12,821                | 3.6    | 460         |                 |                    |            |                   |            |
| AI STUO, 48-01 LISTED, 08-63 82 WITH HERD-MATES   |  |  |  |  | 133         | 12,649                | 3.6    | 453         | 17              | 12,619             | 464        | 12,510            | 446        |
| STATES- 48,63,73                                  |  |  |  |  |             |                       |        |             | OIFF.           | 30                 | 11-        |                   |            |
|   |  |  |  |  | 22          | 12,305                | 3.6    | 441         |                 |                    |            |                   |            |
|   |  |  |  |  | 7           | 11,715                | 3.4    | 400         | 11              | 11,602             | 417        |                   |            |
|   |  |  |  |  |             |                       |        |             | OIFF.           | 113                | 17-        |                   |            |
| 1050211 OTCO RO VAR DOMINANT-TWIN.....            |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 10-28-48 877826 2422864 10 NON-AI DAUGHTERS       |  |  |  |  | 24          | 13,215                | 3.5    | 467         |                 |                    |            |                   |            |
| STATES- 23 9 WITH HERD-MATES                      |  |  |  |  | 23          | 13,617                | 3.6    | 487         | 12              | 12,778             | 462        |                   |            |
|   |  |  |  |  |             |                       |        |             | OIFF.           | 839                | 25         |                   |            |
| 1050470 SKYHOMISH PERFECTION HAZELWOOD.....       |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 07-30-48 786321 2529313 8 NON-AI DAUGHTERS        |  |  |  |  | 11          | 13,014                | 3.6    | 465         |                 |                    |            |                   |            |
| LISTED, 08-63 7 WITH HERD-MATES                   |  |  |  |  | 10          | 13,594                | 3.6    | 484         | 20              | 13,098             | 470        |                   |            |
| STATES- 21,33,41,82                               |  |  |  |  |             |                       |        |             | OIFF.           | 496                | 14         |                   |            |
| 1050741 RAG APPLE BEAUTY TRIUNE.....              |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 11-12-48 946876 2484230 29 NON-AI DAUGHTERS       |  |  |  |  | 105         | 10,826                | 3.6    | 390         |                 |                    |            |                   |            |
| STATES- 34 27 WITH HERD-MATES                     |  |  |  |  | 94          | 10,941                | 3.6    | 393         | 4               | 11,810             | 442        |                   |            |
|   |  |  |  |  |             |                       |        |             | OIFF.           | 869-               | 49-        |                   |            |
| 1054478 DORA SIR BESS SAGE.....                   |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 10-30-47 874831 2159481 11 NON-AI DAUGHTERS       |  |  |  |  | 29          | 11,462                | 3.5    | 397         |                 |                    |            |                   |            |
| STATES- 42 10 WITH HERD-MATES                     |  |  |  |  | 28          | 11,032                | 3.5    | 382         | 6               | 12,838             | 461        |                   |            |
|   |  |  |  |  |             |                       |        |             | OIFF.           | 1806-              | 79-        |                   |            |
| 1054498 CARNATION IMPERIAL MODEL LAD.....         |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 02-15-48 837650 2018959 63 NON-AI DAUGHTERS       |  |  |  |  | 138         | 16,404                | 2.9    | 481         |                 |                    |            |                   |            |
| STATES- 91 62 WITH HERD-MATES                     |  |  |  |  | 137         | 16,431                | 2.9    | 482         | 23              | 16,559             | 506        |                   |            |
|   |  |  |  |  |             |                       |        |             | OIFF.           | 128-               | 24-        |                   |            |
| 1054514 CARNATION REVELATION OF UTAH.....         |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 04-26-48 943802 2327440 12 AI DAUGHTERS-12        |  |  |  |  | 22          | 12,487                | 3.6    | 444         |                 |                    |            |                   |            |
| AI STUO, 87-01 12 WITH HERD-MATES                 |  |  |  |  | 22          | 12,487                | 3.6    | 444         | 7               | 12,953             | 471        | 12,262            | 442        |
| STATES- 35,83,87                                  |  |  |  |  |             |                       |        |             | OIFF.           | 466-               | 27-        |                   |            |
|   |  |  |  |  | 13          | 12,078                | 3.6    | 429         |                 |                    |            |                   |            |
|   |  |  |  |  | 13          | 12,078                | 3.6    | 429         | 10              | 12,389             | 454        |                   |            |
|   |  |  |  |  |             |                       |        |             | OIFF.           | 311-               | 25-        |                   |            |
| 1055422 COCHRAN SOVEREIGN BLACK KNIGHT.....       |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 10-02-47 959121 2606670 9 NON-AI DAUGHTERS        |  |  |  |  | 15          | 9,120                 | 3.8    | 343         |                 |                    |            |                   |            |
| STATES- 21 3 WITH HERD-MATES                      |  |  |  |  | 4           | 7,292                 | 3.4    | 249         | 11              | 9,665              | 351        |                   |            |
|   |  |  |  |  |             |                       |        |             | OIFF.           | 2373-              | 102-       |                   |            |
| 1056862 .....                                     |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 14,21,23,41,48                            |  |  |  |  | 5           | 14,743                | 3.8    | 559         |                 |                    |            |                   |            |
|   |  |  |  |  | 5           | 14,743                | 3.8    | 559         | 9               | 13,415             | 498        |                   |            |
|   |  |  |  |  |             |                       |        |             | OIFF.           | 1328               | 61         |                   |            |
| 1059451 .....                                     |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 93  |  |  |  |  | 5           | 16,454                | 3.4    | 556         |                 |                    |            |                   |            |
|   |  |  |  |  | 5           | 16,454                | 3.4    | 556         | 126             | 16,202             | 555        |                   |            |
|   |  |  |  |  |             |                       |        |             | OIFF.           | 252                | 1          |                   |            |
| 1061171 .....                                     |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 93  |  |  |  |  | 7           | 12,173                | 3.9    | 471         |                 |                    |            |                   |            |
|   |  |  |  |  | 7           | 12,173                | 3.9    | 471         | 68              | 12,988             | 485        |                   |            |
|   |  |  |  |  |             |                       |        |             | OIFF.           | 815-               | 14-        |                   |            |
| 1061694 MACHOLO COMMANDO ADANTHA.....             |  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 11-27-48 846425 2584075 27 NON-AI DAUGHTERS       |  |  |  |  | 44          | 11,567                | 3.6    | 412         |                 |                    |            |                   |            |
| STATES- 21 6 WITH HERD-MATES                      |  |  |  |  | 12          | 11,254                | 3.6    | 406         | 7               | 11,932             | 442        |                   |            |
|   |  |  |  |  |             |                       |        |             | OIFF.           | 678-               | 36-        |                   |            |



| SIRE OF OHIA DAUGHTERS   |      |                  |      | AV. PRODUCTION OF OAU. |            |           |           | AOJ. HERO-MATES AV. |                   |           | PREDICTED AV. |           |
|--|------|------------------|------|------------------------|------------|-----------|-----------|---------------------|-------------------|-----------|---------------|-----------|
| HOLSTEIN   |      |                  |      | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | AV.<br>MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1063681 .....  |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| STATES- 14,16  | 5    | NON-AI DAUGHTERS | 5    | 14,332                 | 3.5        | 504       |           | 14                  | 13,126            | 487       |               |           |
|  | 5    | WITH HERD-MATES  | 5    | 14,332                 | 3.5        | 504       |           | OIFF.               | 1206              | 17        |               |           |
| 1064621 OTCO RO VAR 8EAU.....  |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 03-07-49 877826 2678651  | 37   | NON-AI DAUGHTERS | 76   | 13,634                 | 3.4        | 462       |           | 17                  | 13,587            | 481       |               |           |
| STATES- 21   | 21   | WITH HERD-MATES  | 32   | 15,048                 | 3.4        | 507       |           | OIFF.               | 1461              | 26        |               |           |
| 1064990 COCHRAN SOVEREIGN FAIRBRAE.....  |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 12-14-48 1007680 2666433   | 824  | AI DAUGHTERS-25* | 1641 | 12,923                 | 3.8        | 488       |           | 13                  | 13,256            | 498       | 12,257        | 450       |
| AI STUO, 23-04 LISTED, 05-64   | 814  | WITH HERD-MATES  | 1608 | 12,960                 | 3.8        | 489       |           | OIFF.               | 296-              | 9-        |               |           |
| STATES- 21,23,51   |      |                  |      |                        |            |           |           | 5                   | 12,776            | 482       |               |           |
|  | 29   | NON-AI DAUGHTERS | 110  | 12,564                 | 3.7        | 468       |           | OIFF.               | 48                | 1         |               |           |
|  | 14   | WITH HERD-MATES  | 70   | 12,824                 | 3.8        | 483       |           |                     |                   |           |               |           |
| 1065224 COYNE FARMS SUPREME POSCH.....   |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 10-05-48 936716 2178989  | 12   | NON-AI DAUGHTERS | 22   | 12,969                 | 3.5        | 450       |           | 10                  | 12,657            | 458       |               |           |
| STATES- 21,32  | 5    | WITH HERD-MATES  | 15   | 13,257                 | 3.6        | 472       |           | OIFF.               | 600               | 14        |               |           |
| 1065259 J G CHIEFTAIN ORMSBY FRED.....   |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 02-24-49 1009301 2707384   | 14   | NON-AI DAUGHTERS | 58   | 14,038                 | 3.4        | 477       |           | 13                  | 14,116            | 505       |               |           |
| STATES- 21   | 10   | WITH HERD-MATES  | 45   | 14,959                 | 3.4        | 504       |           | OIFF.               | 843               | 1-        |               |           |
| 1066280 SKOKIE PRINCE NORMAN.....  |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 12-31-48 915469 2021908  | 15   | NON-AI DAUGHTERS | 27   | 12,036                 | 3.8        | 459       |           | 9                   | 14,370            | 529       |               |           |
| STATES- 21,34  | 10   | WITH HERD-MATES  | 17   | 13,308                 | 3.8        | 505       |           | OIFF.               | 1062-             | 24-       |               |           |
| 1066477 BROWNS MASTER ANTONY.....  |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 10-17-48 010135583 010513326   | 1952 | AI DAUGHTERS-25* | 3339 | 12,968                 | 3.6        | 461       |           | 22                  | 12,848            | 473       | 12,663        | 447       |
| AI STUO, 52-01 LISTED, 05-64   | 1772 | WITH HERD-MATES  | 3072 | 13,004                 | 3.6        | 463       |           | OIFF.               | 156               | 10-       |               |           |
| STATES- 13,16,21,22,23,31,32,34,41,51,52,54,55,56,57,63  |      |                  |      |                        |            |           |           | 14                  | 12,706            | 462       |               |           |
|  | 40   | NON-AI DAUGHTERS | 96   | 12,864                 | 3.5        | 445       |           | OIFF.               | 54-               | 24-       |               |           |
|  | 38   | WITH HERD-MATES  | 92   | 12,652                 | 3.5        | 438       |           |                     |                   |           |               |           |
| 1068870 WIS WHIRLWIND.....   |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 04-14-49 933122 2347083  | 43   | NON-AI DAUGHTERS | 75   | 10,813                 | 3.6        | 390       |           | 19                  | 10,557            | 380       |               |           |
| LISTED, 03-64  | 41   | WITH HERD-MATES  | 65   | 10,676                 | 3.6        | 385       |           | OIFF.               | 119               | 5         |               |           |
| STATES- 31,32,34,35,42,47,48,64  |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 1068984 LAKEFIELD IOWANA F08ES.....  |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 02-06-49 925671 2701591  | 747  | AI DAUGHTERS-25* | 1381 | 12,793                 | 3.5        | 452       |           | 16                  | 13,112            | 476       | 12,206        | 432       |
| AI STUO, 34-01 LISTED, 05-64   | 708  | WITH HERD-MATES  | 1305 | 12,778                 | 3.5        | 451       |           | OIFF.               | 334-              | 25-       |               |           |
| STATES- 16,21,23,31,32,33,34,35,52   |      |                  |      |                        |            |           |           | 11                  | 12,991            | 471       |               |           |
|  | 43   | NON-AI DAUGHTERS | 138  | 12,210                 | 3.5        | 428       |           | OIFF.               | 740-              | 42-       |               |           |
|  | 42   | WITH HERD-MATES  | 134  | 12,251                 | 3.5        | 429       |           |                     |                   |           |               |           |
| 1070036 PABST SIR COMET OLIVER.....  |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 12-08-48 959466 3073680  | 2173 | AI DAUGHTERS-25* | 5131 | 13,864                 | 3.8        | 521       |           | 11                  | 12,811            | 460       | 13,597        | 516       |
| AI STUO, 35-03 LISTED, 03-64   | 2040 | WITH HERD-MATES  | 4787 | 13,914                 | 3.8        | 522       |           | OIFF.               | 1103              | 62        |               |           |
| STATES- 16,21,22,23,31,32,33,34,35,41,42,43,47,48,51,52,54,55,56,58,61,63,64,65,71,72,73,74,82,83,86,87,94 |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 1072332 CARNATION PONTIAC DYNAMO.....  |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 07-15-48 808292 2462845  | 899  | AI DAUGHTERS-25* | 1899 | 13,104                 | 3.8        | 492       |           | 12                  | 13,175            | 481       | 12,594        | 472       |
| AI STUO, 91-01 LISTED, 05-64   | 738  | WITH HERD-MATES  | 1543 | 13,231                 | 3.7        | 495       |           | OIFF.               | 56                | 14        |               |           |
| STATES- 34,72,81,82,91,92  |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 1072341 CARNATION PROGRESSOR SPOFFORO.....   |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 12-16-48 808292 2153497  | 43   | AI DAUGHTERS-25* | 130  | 12,523                 | 3.5        | 441       |           | 7                   | 12,328            | 442       | 12,576        | 452       |
| AI STUO, 87-01   | 42   | WITH HERD-MATES  | 119  | 12,478                 | 3.5        | 439       |           | OIFF.               | 150               | 3-        |               |           |
| STATES- 82,83,87   |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 1074227 VIBURKE GENIUS.....  |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 05-30-49 992855 2644706  | 24   | NON-AI DAUGHTERS | 65   | 13,073                 | 3.6        | 472       |           | 7                   | 14,019            | 505       |               |           |
| STATES- 52,54  | 15   | WITH HERD-MATES  | 47   | 13,834                 | 3.6        | 493       |           | OIFF.               | 185-              | 12-       |               |           |
| 1074403 HEERSCHER SMOKY BRUMMEL - TWIN.....  |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 01-03-49 1003344 2211866   | 253  | AI DAUGHTERS-25* | 450  | 12,460                 | 3.7        | 464       |           | 16                  | 12,647            | 464       | 12,262        | 455       |
| AI STUO, 48-01 LISTED, 05-64   | 222  | WITH HERD-MATES  | 397  | 12,407                 | 3.7        | 463       |           | OIFF.               | 240-              | 1-        |               |           |
| STATES- 47,48,73,74,85   |      |                  |      |                        |            |           |           | 12                  | 11,621            | 441       |               |           |
|  | 9    | NON-AI DAUGHTERS | 18   | 13,131                 | 3.6        | 474       |           | OIFF.               | 236-              | 2         |               |           |
|  | 2    | WITH HERD-MATES  | 2    | 11,385                 | 3.9        | 443       |           |                     |                   |           |               |           |
| 1075843 BRAOCROFT ALCARTRA BURKE.....  |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 08-30-48 935386 2211123  | 14   | NON-AI DAUGHTERS | 42   | 13,536                 | 3.7        | 496       |           | 6                   | 13,701            | 508       |               |           |
| STATES- 21   | 7    | WITH HERD-MATES  | 18   | 14,104                 | 3.7        | 517       |           | OIFF.               | 403               | 9         |               |           |
| 1075871 CARNATION STYLE MASTER.....  |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 11-27-48 943802 2758495  | 8    | NON-AI DAUGHTERS | 16   | 11,404                 | 3.5        | 403       |           | 20                  | 11,997            | 441       |               |           |
| STATES- 32,34,51,55,57,63  | 7    | WITH HERD-MATES  | 14   | 11,738                 | 3.5        | 412       |           | OIFF.               | 259-              | 29-       |               |           |
| 1079115 NACHES CONFIDENT GOVERNOR.....   |      |                  |      |                        |            |           |           |                     |                   |           |               |           |
| 03-29-49 1012487 2612742   | 122  | AI DAUGHTERS-25* | 202  | 13,970                 | 3.4        | 479       |           | 15                  | 13,658            | 495       | 12,984        | 448       |
| AI STUO, 91-01 LISTED, 05-64   | 109  | WITH HERD-MATES  | 179  | 14,109                 | 3.4        | 483       |           | OIFF.               | 451               | 12-       |               |           |
| STATES- 51,81,82,91  |      |                  |      |                        |            |           |           | 8                   | 13,412            | 488       |               |           |
|  | 33   | NON-AI DAUGHTERS | 96   | 13,362                 | 3.6        | 478       |           | OIFF.               | 114-              | 15-       |               |           |
|  | 30   | WITH HERD-MATES  | 74   | 13,298                 | 3.6        | 473       |           |                     |                   |           |               |           |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN  | AV. PRODUCTION OF OAU. |            |           |           | AOJ. HERO-MATES AV. |            |           | PREOICTED AV. |           |
|---|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|   | RECORDS<br>NUMBER      | MILK<br>L8 | TEST<br>% | FAT<br>L8 | AV.<br>NUMBER       | MILK<br>L8 | FAT<br>L8 | MILK<br>L8    | FAT<br>L8 |
| 1079163 F08ES PROSPECT PRILLY.....                |                        |            |           |           |                     |            |           |               |           |
| 08-31-48 899548 2660862 8 NON-AI DAUGHTERS        | 15                     | 13,895     | 3.6       | 495       |                     |            |           |               |           |
| LISTED, 08-63 8 WITH HERD-MATES                   | 15                     | 13,895     | 3.6       | 495       | 9                   | 13,646     | 485       |               |           |
| STATES- 41  |                        |            |           |           | DIFF.               | 249        | 10        |               |           |
| 1079557 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 31 5 NON-AI DAUGHTERS                     | 7                      | 14,239     | 3.4       | 486       |                     |            |           |               |           |
| 5 WITH HERD-MATES                                 | 7                      | 14,239     | 3.4       | 486       | 67                  | 14,799     | 545       |               |           |
|   |                        |            |           |           | OIFF.               | 560-       | 59-       |               |           |
| 1079628 G C B MAJOR CHIEFTAIN SCOTT.....          |                        |            |           |           |                     |            |           |               |           |
| 06-30-49 872631 2322889 17 NON-AI DAUGHTERS       | 65                     | 11,059     | 3.8       | 420       |                     |            |           |               |           |
| STATES- 21 11 WITH HERD-MATES                     | 50                     | 11,610     | 3.6       | 422       | 4                   | 12,186     | 452       |               |           |
|   |                        |            |           |           | OIFF.               | 576-       | 30-       |               |           |
| 1080092 HAYES HAVEN SOVEREIGN ROYAL.....          |                        |            |           |           |                     |            |           |               |           |
| 04-19-48 010155159 010507530 9 NON-AI DAUGHTERS   | 31                     | 12,785     | 3.4       | 439       |                     |            |           |               |           |
| STATES- 21,73 8 WITH HERD-MATES                   | 27                     | 13,309     | 3.4       | 455       | 11                  | 13,075     | 473       |               |           |
|   |                        |            |           |           | DIFF.               | 234        | 18-       |               |           |
| 1080108 JULE KING ADMIRAL F08ES.....              |                        |            |           |           |                     |            |           |               |           |
| 03-03-49 912429 2564211 463 AI DAUGHTERS-25*      | 564                    | 12,356     | 3.8       | 464       |                     |            |           |               |           |
| AI STUO, 91-01 LISTED, 05-64 450 WITH HERD-MATES  | 549                    | 12,386     | 3.8       | 465       | 16                  | 14,020     | 504       | 11,036        | 422       |
| STATES- 81,82,87,91,93                            |                        |            |           |           | OIFF.               | 1634-      | 39-       |               |           |
|   |                        |            |           |           |                     |            |           |               |           |
| 61 NON-AI DAUGHTERS                               | 105                    | 12,938     | 3.7       | 481       |                     |            |           |               |           |
| 59 WITH HERD-MATES                                | 92                     | 13,070     | 3.7       | 486       | 10                  | 13,529     | 494       |               |           |
|   |                        |            |           |           | OIFF.               | 459-       | 8-        |               |           |
| 1080990 AMCAN 8ELL RINGER.....                    |                        |            |           |           |                     |            |           |               |           |
| 07-07-49 1001985 2808783 90 NON-AI DAUGHTERS      | 292                    | 14,338     | 3.9       | 564       |                     |            |           |               |           |
| LISTED, 01-63 83 WITH HERD-MATES                  | 271                    | 14,470     | 3.9       | 566       | 10                  | 13,863     | 524       |               |           |
| STATES- 21,22,23,32,51,55,57                      |                        |            |           |           | OIFF.               | 607        | 42        |               |           |
| 1081207 YDRKSDN ADANTHA SIR BESSIE.....           |                        |            |           |           |                     |            |           |               |           |
| 07-04-47 893307 1946885 12 NON-AI DAUGHTERS       | 30                     | 13,277     | 3.5       | 467       |                     |            |           |               |           |
| STATES- 21 3 WITH HERD-MATES                      | 5                      | 14,427     | 3.3       | 481       | 15                  | 12,119     | 405       |               |           |
|   |                        |            |           |           | DIFF.               | 2308       | 76        |               |           |
| 1081874 F08ES TUSCANAIR GEORGE.....               |                        |            |           |           |                     |            |           |               |           |
| 10-01-49 863756 2537994 28 NON-AI DAUGHTERS       | 54                     | 10,390     | 3.7       | 387       |                     |            |           |               |           |
| STATES- 21 11 WITH HERD-MATES                     | 13                     | 10,918     | 3.7       | 404       | 9                   | 11,984     | 436       |               |           |
|   |                        |            |           |           | OIFF.               | 1066-      | 32-       |               |           |
| 1082191 WARNER BROOK SOVEREIGN DRMSBY.....        |                        |            |           |           |                     |            |           |               |           |
| 08-24-49 1043768 3101789 13 NON-AI DAUGHTERS      | 22                     | 11,107     | 3.9       | 438       |                     |            |           |               |           |
| STATES- 52 9 WITH HERD-MATES                      | 17                     | 12,051     | 3.9       | 476       | 12                  | 12,333     | 481       |               |           |
|   |                        |            |           |           | DIFF.               | 282-       | 5-        |               |           |
| 1082891 PA8ST JESS BURKE.....                     |                        |            |           |           |                     |            |           |               |           |
| 09-24-49 984796 2508304 2050 AI DAUGHTERS-25*     | 5117                   | 12,889     | 3.9       | 503       |                     |            |           |               |           |
| AI STUO, 23-04 LISTED, 05-64 1978 WITH HERD-MATES | 4926                   | 12,892     | 3.9       | 503       | 11                  | 12,891     | 479       | 12,514        | 481       |
| STATES- 21,22,23,42,51,57                         |                        |            |           |           | OIFF.               | 1          | 24        |               |           |
|   |                        |            |           |           |                     |            |           |               |           |
| 3 NON-AI DAUGHTERS                                | 14                     | 12,546     | 4.0       | 499       |                     |            |           |               |           |
| 2 WITH HERD-MATES                                 | 12                     | 13,959     | 4.1       | 572       | 9                   | 13,678     | 506       |               |           |
|   |                        |            |           |           | OIFF.               | 281        | 66        |               |           |
| 1083352 G C 8 F08ES CHIEFTAIN OEAN.....           |                        |            |           |           |                     |            |           |               |           |
| 12-24-48 944849 2625690 32 NON-AI DAUGHTERS       | 134                    | 12,862     | 3.5       | 447       |                     |            |           |               |           |
| STATES- 21 24 WITH HERD-MATES                     | 109                    | 13,306     | 3.5       | 464       | 9                   | 12,947     | 467       |               |           |
|   |                        |            |           |           | OIFF.               | 359        | 3-        |               |           |
| 1084607 OIAMONO S SIR MARION PIETERTJE.....       |                        |            |           |           |                     |            |           |               |           |
| 12-24-48 884043 2218437 13 AI DAUGHTERS-04        | 19                     | 14,369     | 3.9       | 557       |                     |            |           |               |           |
| AI STUO, 93-05 LISTED, 08-63 13 WITH HERD-MATES   | 19                     | 14,369     | 3.9       | 557       | 63                  | 15,136     | 562       | 12,210        | 458       |
| STATES- 86,91,93                                  |                        |            |           |           | OIFF.               | 767-       | 5-        |               |           |
|   |                        |            |           |           |                     |            |           |               |           |
| 15 NON-AI DAUGHTERS                               | 25                     | 14,309     | 3.9       | 565       |                     |            |           |               |           |
| 14 WITH HERD-MATES                                | 23                     | 14,444     | 3.9       | 565       | 53                  | 15,105     | 549       |               |           |
|   |                        |            |           |           | OIFF.               | 661-       | 16        |               |           |
| 1085978 SEARSFARM OEAN AOA IMPERIAL.....          |                        |            |           |           |                     |            |           |               |           |
| 10-17-49 761977 2370901 5100 AI DAUGHTERS-25*     | 6871                   | 14,866     | 3.6       | 533       |                     |            |           |               |           |
| AI STUO, 21-01 LISTED, 05-64 4506 WITH HERD-MATES | 6122                   | 14,947     | 3.6       | 535       | 22                  | 13,860     | 501       | 13,685        | 494       |
| STATES- 13,14,15,16,21,22,23, 31,51,52,55,56      |                        |            |           |           | OIFF.               | 1087       | 34        |               |           |
|   |                        |            |           |           |                     |            |           |               |           |
| 20 NON-AI DAUGHTERS                               | 71                     | 15,114     | 3.6       | 539       |                     |            |           |               |           |
| 9 WITH HERD-MATES                                 | 25                     | 15,759     | 3.6       | 562       | 13                  | 13,155     | 469       |               |           |
|   |                        |            |           |           | OIFF.               | 2604       | 93        |               |           |
| 1086046 .....                                     |                        |            |           |           |                     |            |           |               |           |
| STATES- 91 5 NON-AI DAUGHTERS                     | 5                      | 15,304     | 3.5       | 543       |                     |            |           |               |           |
| 5 WITH HERD-MATES                                 | 5                      | 15,304     | 3.5       | 543       | 4                   | 13,729     | 499       |               |           |
|   |                        |            |           |           | OIFF.               | 1575       | 44        |               |           |
| 1088085 WIS F08ES IOEAL.....                      |                        |            |           |           |                     |            |           |               |           |
| 12-06-49 933122 2093098 8 NON-AI DAUGHTERS        | 12                     | 12,388     | 3.6       | 444       |                     |            |           |               |           |
| STATES- 33,35 7 WITH HERD-MATES                   | 10                     | 12,185     | 3.6       | 440       | 9                   | 13,356     | 474       |               |           |
|   |                        |            |           |           | OIFF.               | 1171-      | 34-       |               |           |
| 1088453 MARLESCO RENOWN.....                      |                        |            |           |           |                     |            |           |               |           |
| 10-21-49 950705 2495702 160 AI DAUGHTERS-25*      | 273                    | 13,330     | 3.6       | 483       |                     |            |           |               |           |
| AI STUO, 31-02 LISTED, 01-63 159 WITH HERD-MATES  | 271                    | 13,335     | 3.6       | 483       | 20                  | 13,095     | 472       | 12,749        | 467       |
| STATES- 23,31,32,34,43,56,61, 74                  |                        |            |           |           | OIFF.               | 240        | 11        |               |           |
|   |                        |            |           |           |                     |            |           |               |           |
| 13 NON-AI DAUGHTERS                               | 31                     | 13,993     | 3.7       | 524       |                     |            |           |               |           |
| 12 WITH HERD-MATES                                | 27                     | 13,700     | 3.7       | 510       | 5                   | 13,159     | 489       |               |           |
|   |                        |            |           |           | OIFF.               | 541        | 21        |               |           |
| 1090340 CAMPTON HILLS SIR TY VIC IOEAL.....       |                        |            |           |           |                     |            |           |               |           |
| 06-12-49 923749 2236383 948 AI DAUGHTERS-25*      | 2524                   | 13,702     | 3.7       | 510       |                     |            |           |               |           |
| AI STUO, 33-01 LISTED, 05-64 860 WITH HERD-MATES  | 2347                   | 13,705     | 3.7       | 511       | 14                  | 12,575     | 471       | 13,588        | 496       |
| STATES- 21,32,33,35,42,43,48, 54,57,61            |                        |            |           |           | OIFF.               | 1130       | 40        |               |           |
|   |                        |            |           |           |                     |            |           |               |           |
| 1 NON-AI DAUGHTERS                                | 3                      | 13,120     | 3.5       | 456       |                     |            |           |               |           |
| 1 WITH HERD-MATES                                 | 3                      | 13,120     | 3.5       | 456       | 3                   | 10,792     | 395       |               |           |
|   |                        |            |           |           | OIFF.               | 2328       | 61        |               |           |

SIRE OF DHIA DAUGHTERS  
HOLSTEIN

|                |   |      |                  |      | AV. PRODUCTION OF DAU. |      |      | ADJ. HERD-MATES AV. |        | PREDICTED AV. |            |
|----------------|---|------|------------------|------|------------------------|------|------|---------------------|--------|---------------|------------|
|                |   |      |                  |      | RECORDS                | MILK | TEST | FAT                 | AV.    | MILK          | FAT        |
|                |   |      |                  |      | NUMBER                 | LB   | %    | LB                  | NUMBER | LB            | LB         |
| 1D9D981        | CARNATION PRDGRESSOR HEILD 80Y.....   |      |                  |      |                        |      |      |                     |        |               |            |
| D4-25-49       | 8D8292 2354984  | 17D6 | AI DAUGHTERS-25* | 3179 | 14,247                 | 3.6  | 515  |                     |        |               |            |
| AI STUD, 91-D1 | LISTED, D5-64   | 13D1 | WITH HERD-MATES  | 2552 | 14,411                 | 3.6  | 518  | 13                  | 13,54D | 493           | 13,439 484 |
| STATES-        | 34,35,81,82,86,91,92  |      |                  |      |                        |      |      | DIFF.               | 871    | 25            |            |
|                |   | 57   | NDN-AI DAUGHTERS | 2D4  | 14,482                 | 3.6  | 528  |                     |        |               |            |
|                |   | 54   | WITH HERD-MATES  | 197  | 14,362                 | 3.6  | 523  | 8                   | 13,7D0 | 495           |            |
|                |   |      |                  |      |                        |      |      | DIFF.               | 662    | 28            |            |
| 1D91411        | PABST STATESMAN.....  |      |                  |      |                        |      |      |                     |        |               |            |
| D8-D8-49       | 859213 275339D  | 44   | AI DAUGHTERS-D4  | 45   | 17,3D1                 | 3.6  | 624  |                     |        |               |            |
| AI STUD, 93-D5 | LISTED, D8-63   | 44   | WITH HERD-MATES  | 45   | 17,3D1                 | 3.6  | 624  | 65                  | 16,999 | 617           | 13,D6D 473 |
| STATES-        | 33,34,35,42,86,92,93  |      |                  |      |                        |      |      | DIFF.               | 3D2    | 7             |            |
|                |   | 2D   | NDN-AI DAUGHTERS | 65   | 13,566                 | 3.8  | 519  |                     |        |               |            |
|                |   | 2D   | WITH HERD-MATES  | 65   | 13,566                 | 3.8  | 519  | 2D                  | 14,D77 | 528           |            |
|                |   |      |                  |      |                        |      |      | DIFF.               | 511-   | 9-            |            |
| 1D924D9        | SMOKY VALLEY ROBIN HARMONY.....   |      |                  |      |                        |      |      |                     |        |               |            |
| D9-22-49       | 1D54955 2622818   | 42   | NDN-AI DAUGHTERS | 78   | 14,413                 | 3.6  | 514  |                     |        |               |            |
|                | LISTED, D8-63   | 39   | WITH HERD-MATES  | 7D   | 14,384                 | 3.6  | 513  | 23                  | 14,329 | 515           |            |
| STATES-        | 13,32,48,82,84,86,87,91,92,93   |      |                  |      |                        |      |      | DIFF.               | 55     | 2-            |            |
| 1D92428        | MODEL AAGGIE BURKE.....   |      |                  |      |                        |      |      |                     |        |               |            |
| D9-D2-49       | 819478 2713D77  | 927  | AI DAUGHTERS-25* | 1378 | 12,114                 | 3.5  | 429  |                     |        |               |            |
| AI STUD, 41-D1 | LISTED, D5-64   | 767  | WITH HERD-MATES  | 1146 | 12,158                 | 3.5  | 431  | 1D                  | 12,466 | 446           | 12,169 439 |
| STATES-        | 35,41,42,43,45,46,48  |      |                  |      |                        |      |      | DIFF.               | 3D8-   | 15-           |            |
|                |   | 18   | NDN-AI DAUGHTERS | 27   | 12,174                 | 3.6  | 442  |                     |        |               |            |
|                |   | 16   | WITH HERD-MATES  | 25   | 11,91D                 | 3.7  | 437  | 9                   | 12,424 | 445           |            |
|                |   |      |                  |      |                        |      |      | DIFF.               | 514-   | 8-            |            |
| 1D9249D        | TAYLAKER GETTIE NO 20.....  |      |                  |      |                        |      |      |                     |        |               |            |
| 11-D6-49       | 84387D 2396D71  | 5D1  | AI DAUGHTERS-25* | 6D8  | 14,452                 | 3.5  | 51D  |                     |        |               |            |
| AI STUD, 35-75 | LISTED, D3-64   | 494  | WITH HERD-MATES  | 595  | 14,436                 | 3.5  | 5D9  | 26                  | 14,D51 | 512           | 12,998 458 |
| STATES-        | 12,13,16,21,22,23,31,32,33,34,35,41,51,52,56,57,64,82,86,87,91,92,93                      |      |                  |      |                        |      |      | DIFF.               | 385    | 3-            |            |
|                |   | 58   | NDN-AI DAUGHTERS | 185  | 17,515                 | 3.4  | 595  |                     |        |               |            |
|                |   | 58   | WITH HERD-MATES  | 184  | 17,49D                 | 3.4  | 593  | 22                  | 16,2D8 | 581           |            |
|                |   |      |                  |      |                        |      |      | DIFF.               | 1282   | 12            |            |
| 1D92741        | WINTERTHUR VICTOR F08ES EKAN.....   |      |                  |      |                        |      |      |                     |        |               |            |
| 1D-21-49       | 8DDDD0 2297948  | 6D   | AI DAUGHTERS-25* | 135  | 13,5D2                 | 3.7  | 498  |                     |        |               |            |
| AI STUD, 51-D2 | LISTED, D8-62   | 59   | WITH HERD-MATES  | 134  | 13,512                 | 3.7  | 498  | 16                  | 12,378 | 463           | 13,405 485 |
| STATES-        | 21,23,5D,51,52  |      |                  |      |                        |      |      | DIFF.               | 1134   | 35            |            |
|                |   | 18   | NON-AI DAUGHTERS | 49   | 14,DD4                 | 3.8  | 529  |                     |        |               |            |
|                |   | 17   | WITH HERD-MATES  | 42   | 14,154                 | 3.7  | 529  | 7                   | 13,643 | 5D4           |            |
|                |   |      |                  |      |                        |      |      | DIFF.               | 511    | 25            |            |
| 1D943D5        | GRAY VIEW PANSY PILOT.....  |      |                  |      |                        |      |      |                     |        |               |            |
| 08-D4-49       | 959466 2131575  | 1412 | AI DAUGHTERS-25* | 2211 | 13,863                 | 3.7  | 51D  |                     |        |               |            |
| AI STUD, 31-D1 | LISTED, D5-64   | 1327 | WITH HERD-MATES  | 2D9D | 13,882                 | 3.7  | 511  | 18                  | 13,781 | 5D1           | 12,7D1 47D |
| STATES-        | 11,12,13,14,15,16,21,22,23,31,32,34,35,42,43,47,52,54,55,57,63,65,71,74,81,82,84,85,91,92 |      |                  |      |                        |      |      | DIFF.               | 101    | 1D            |            |
|                |   | 94   | NDN-AI DAUGHTERS | 36D  | 14,251                 | 3.8  | 544  |                     |        |               |            |
|                |   | 89   | WITH HERD-MATES  | 352  | 14,3D8                 | 3.8  | 544  | 19                  | 13,964 | 529           |            |
|                |   |      |                  |      |                        |      |      | DIFF.               | 344    | 15            |            |
| 1D94571        | A B C WAYNE SDVEREIGN.....  |      |                  |      |                        |      |      |                     |        |               |            |
| D1-D1-49       | D1D155159 D1D475255   | 63   | NON-AI DAUGHTERS | 129  | 12,158                 | 3.9  | 473  |                     |        |               |            |
| STATES-        | 16,21,22,23,51,52   | 29   | WITH HERD-MATES  | 74   | 12,7D8                 | 3.9  | 498  | 18                  | 13,637 | 511           |            |
|                |   |      |                  |      |                        |      |      | DIFF.               | 929-   | 13-           |            |
| 1D95DD2        | A B C PALMYRA SDVEREIGN R.....  |      |                  |      |                        |      |      |                     |        |               |            |
| D7-16-49       | D1D198998 D1D72461D   | 16D  | AI DAUGHTERS-25* | 273  | 14,112                 | 3.7  | 521  |                     |        |               |            |
| AI STUD, 23-D2 | LISTED, D8-63   | 158  | WITH HERD-MATES  | 259  | 14,157                 | 3.7  | 523  | 21                  | 14,D54 | 511           | 12,711 472 |
| STATES-        | 23,31,32,33,35,47,63,71,74,82,84,85,86,87,91,92,93  |      |                  |      |                        |      |      | DIFF.               | 1D3    | 12            |            |
|                |   | 15   | NDN-AI DAUGHTERS | 68   | 14,557                 | 3.6  | 531  |                     |        |               |            |
|                |   | 15   | WITH HERD-MATES  | 68   | 14,557                 | 3.6  | 531  | 15                  | 13,941 | 5D9           |            |
|                |   |      |                  |      |                        |      |      | DIFF.               | 616    | 22            |            |
| 1D95767        | CORNELL SUPREME LEADER.....   |      |                  |      |                        |      |      |                     |        |               |            |
| 12-13-49       | 936716 2383356  | 3D   | NON-AI DAUGHTERS | 83   | 11,985                 | 3.4  | 4D5  |                     |        |               |            |
| STATES-        | 21  | 16   | WITH HERD-MATES  | 62   | 13,D63                 | 3.4  | 441  | 21                  | 12,78D | 456           |            |
|                |   |      |                  |      |                        |      |      | DIFF.               | 283    | 15-           |            |
| 1D96455        | GREENAWAY KING PDSCH SOVEREIGN.....   |      |                  |      |                        |      |      |                     |        |               |            |
| D9-2D-49       | 97711D 2424989  | 28   | NDN-AI DAUGHTERS | 41   | 12,686                 | 3.8  | 476  |                     |        |               |            |
| STATES-        | 21  | 12   | WITH HERD-MATES  | 12   | 13,395                 | 3.7  | 499  | 21                  | 15,979 | 565           |            |
|                |   |      |                  |      |                        |      |      | DIFF.               | 2584-  | 66-           |            |
| 1D98427        | SHIAWANA F08ES BEAUTY.....  |      |                  |      |                        |      |      |                     |        |               |            |
| D1-D7-5D       | 822837 2522779  | 348  | AI DAUGHTERS-25* | 672  | 13,504                 | 3.6  | 491  |                     |        |               |            |
| AI STUO, 34-D1 | LISTED, D5-64   | 342  | WITH HERD-MATES  | 658  | 13,546                 | 3.6  | 492  | 17                  | 13,152 | 479           | 12,915 469 |
| STATES-        | 21,22,34  |      |                  |      |                        |      |      | DIFF.               | 394    | 13            |            |
|                |   | 1D   | NON-AI DAUGHTERS | 20   | 12,912                 | 3.6  | 471  |                     |        |               |            |
|                |   | 9    | WITH HERD-MATES  | 19   | 12,683                 | 3.7  | 469  | 11                  | 12,77D | 460           |            |
|                |   |      |                  |      |                        |      |      | DIFF.               | 87-    | 9             |            |
| 1D98656        | WIS IDEAL CDNCENTRATE.....  |      |                  |      |                        |      |      |                     |        |               |            |
| 02-D5-5D       | 933122 2628437  | 224  | AI DAUGHTERS-15  | 400  | 15,D43                 | 3.6  | 538  |                     |        |               |            |
| AI STUO, 93-D3 | LISTED, D5-64   | 224  | WITH HERO-MATES  | 399  | 15,D38                 | 3.6  | 538  | 93                  | 15,4D1 | 559           | 12,4D5 445 |
| STATES-        | 11,33,43,82,86,91,92,93   |      |                  |      |                        |      |      | OIFF.               | 363-   | 21-           |            |
| 1D99477        | MAPLEBEND OEAN KING POSCH.....  |      |                  |      |                        |      |      |                     |        |               |            |
| 10-31-48       | 92D25D 2436178  | 3949 | AI DAUGHTERS-25* | 8734 | 13,189                 | 3.9  | 512  |                     |        |               |            |
| AI STUO, 23-D8 | LISTED, D3-64   | 3896 | WITH HERD-MATES  | 8624 | 13,197                 | 3.9  | 513  | 13                  | 12,975 | 495           | 12,74D 477 |
| STATES-        | 14,16,21,22,23,31,5D,51,52,54,55,57   |      |                  |      |                        |      |      | DIFF.               | 222    | 18            |            |
|                |   | 29   | NDN-AI DAUGHTERS | 86   | 12,264                 | 3.9  | 473  |                     |        |               |            |
|                |   | 29   | WITH HERD-MATES  | 86   | 12,264                 | 3.9  | 473  | 12                  | 12,447 | 462           |            |
|                |   |      |                  |      |                        |      |      | DIFF.               | 183-   | 11            |            |
| 1D99765        | .....   |      |                  |      |                        |      |      |                     |        |               |            |
|                |   | 5    | NON-AI DAUGHTERS | 5    | 12,114                 | 3.5  | 418  |                     |        |               |            |
| STATES-        | 31,32   | 5    | WITH HERD-MATES  | 5    | 12,114                 | 3.5  | 418  | 19                  | 12,222 | 444           |            |
|                |   |      |                  |      |                        |      |      | DIFF.               | 1D8-   | 26-           |            |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN  | AV. PRODUCTION OF   |        |        |     | AOJ. HERO-MATES AV. |        |        | PREDICTED AV. |     |
|---|---------------------|--------|--------|-----|---------------------|--------|--------|---------------|-----|
|   | RECORDS             | MILK   | TEST   | FAT | AV.                 | MILK   | FAT    | MILK          | FAT |
|   | NUMBER              | L8     | %      | L8  | NUMBER              | L8     | L8     | L8            | L8  |
| 1100759 8RDAO ROCK MASTER RHOODY.....                           |                     |        |        |     |                     |        |        |               |     |
| 11-16-49 834432 2289468 35 AI DAUGHTERS-16                      | 74                  | 12,102 | 3.9    | 466 |                     |        |        |               |     |
| AI STUO, 15-01 LISTED, 08-62 35 WITH HERD-MATES                 | 74                  | 12,102 | 3.9    | 466 | 12                  | 13,440 | 504    | 11,553        | 431 |
| STATES- 15  |                     |        |        |     | OIFF.               | 1338-  | 38-    |               |     |
|   | 13 NON-AI DAUGHTERS | 34     | 13,471 | 3.7 | 496                 |        |        |               |     |
|   | 12 WITH HERD-MATES  | 29     | 13,291 | 3.7 | 488                 | 10     | 13,037 | 476           |     |
|   |                     |        |        |     | OIFF.               | 254    | 12     |               |     |
| 1100906 ELM8RINK LELA F08ES 80NHEUR.....                        |                     |        |        |     |                     |        |        |               |     |
| 10-09-49 1003647 2424655 23 NON-AI DAUGHTERS                    | 60                  | 10,516 | 3.5    | 365 |                     |        |        |               |     |
| STATES- 41 22 WITH HERD-MATES                                   | 57                  | 10,401 | 3.5    | 360 | 7                   | 11,938 | 422    |               |     |
|   |                     |        |        |     | OIFF.               | 1537-  | 62-    |               |     |
| 1100926 VARECA POSCH DRMS8Y F08ES.....                          |                     |        |        |     |                     |        |        |               |     |
| 06-03-49 835919 3050561 80 AI DAUGHTERS-25*                     | 167                 | 12,174 | 3.5    | 425 |                     |        |        |               |     |
| AI STUO, 61-01 LISTED, 08-62 80 WITH HERD-MATES                 | 165                 | 12,169 | 3.5    | 425 | 16                  | 12,645 | 464    | 12,076        | 422 |
| STATES- 57,61   |                     |        |        |     | OIFF.               | 476-   | 39-    |               |     |
|   | 28 NON-AI DAUGHTERS | 84     | 12,753 | 3.5 | 450                 |        |        |               |     |
|   | 28 WITH HERD-MATES  | 84     | 12,753 | 3.5 | 450                 | 8      | 12,693 | 466           |     |
|   |                     |        |        |     | OIFF.               | 60     | 16-    |               |     |
| 1100987 .....   |                     |        |        |     |                     |        |        |               |     |
| STATES- 74  | 5 NON-AI DAUGHTERS  | 8      | 12,707 | 3.4 | 431                 |        |        |               |     |
|   | 5 WITH HERD-MATES   | 8      | 12,707 | 3.4 | 431                 | 54     | 12,976 | 436           |     |
|   |                     |        |        |     | OIFF.               | 269-   | 5-     |               |     |
| 1102436 PA8ST ROAMER OLIVER.....                                |                     |        |        |     |                     |        |        |               |     |
| 03-08-50 859213 3073680 3355 AI DAUGHTERS-25*                   | 6905                | 12,995 | 3.8    | 497 |                     |        |        |               |     |
| AI STUO, 23-05 LISTED, 05-64 3263 WITH HERD-MATES               | 6712                | 13,018 | 3.8    | 498 | 11                  | 12,758 | 478    | 12,757        | 477 |
| STATES- 21,23,31,51,52,54,57                                    |                     |        |        |     | OIFF.               | 260    | 20     |               |     |
|   | 1 NON-AI DAUGHTERS  | 1      | 11,670 | 3.6 | 415                 |        |        |               |     |
|   | 1 WITH HERD-MATES   | 1      | 11,670 | 3.6 | 415                 | 2      | 11,201 | 388           |     |
|   |                     |        |        |     | OIFF.               | 469    | 27     |               |     |
| 1104658 PA8ST JESS REWAYNE.....                                 |                     |        |        |     |                     |        |        |               |     |
| 03-29-50 984796 2669796 659 AI DAUGHTERS-25*                    | 956                 | 12,872 | 4.0    | 513 |                     |        |        |               |     |
| AI STUO, 23-05 LISTED, 05-64 640 WITH HERD-MATES                | 930                 | 12,919 | 4.0    | 515 | 14                  | 13,045 | 492    | 12,403        | 481 |
| STATES- 21,23,54  |                     |        |        |     | OIFF.               | 126-   | 23     |               |     |
|   | 30 NON-AI DAUGHTERS | 86     | 12,778 | 3.8 | 491                 |        |        |               |     |
|   | 30 WITH HERD-MATES  | 85     | 12,781 | 3.8 | 492                 | 8      | 12,846 | 476           |     |
|   |                     |        |        |     | OIFF.               | 65-    | 16     |               |     |
| 1105488 POLYTECHNIC BESS LAO.....                               |                     |        |        |     |                     |        |        |               |     |
| 11-09-49 769595 2465766 403 AI DAUGHTERS-25*                    | 475                 | 14,013 | 3.7    | 515 |                     |        |        |               |     |
| AI STUO, 35-75 LISTED, 03-64 390 WITH HERD-MATES                | 459                 | 14,030 | 3.7    | 515 | 39                  | 14,470 | 525    | 12,238        | 452 |
| STATES- 21,23,31,33,34,35,41, 42,55,57,82,84,85,86,87,91,92, 93 |                     |        |        |     | OIFF.               | 440-   | 10-    |               |     |
|   | 7 NON-AI DAUGHTERS  | 7      | 13,983 | 3.7 | 515                 |        |        |               |     |
|   | 7 WITH HERD-MATES   | 7      | 13,983 | 3.7 | 515                 | 34     | 15,874 | 578           |     |
|   |                     |        |        |     | OIFF.               | 1891-  | 63-    |               |     |
| 1105615 OHIO OARK PRILLY.....                                   |                     |        |        |     |                     |        |        |               |     |
| 12-02-49 856661 2563982 41 AI DAUGHTERS-04                      | 53                  | 13,532 | 3.4    | 456 |                     |        |        |               |     |
| AI STUO, 31-01 LISTED, 08-63 41 WITH HERD-MATES                 | 53                  | 13,532 | 3.4    | 456 | 21                  | 13,189 | 433    | 12,791        | 471 |
| STATES- 31,51   |                     |        |        |     | OIFF.               | 343    | 23     |               |     |
| 1106373 FRANLO MOOEL MORRIS - TWIN.....                         |                     |        |        |     |                     |        |        |               |     |
| 02-28-50 1028260 2649597 15 NON-AI DAUGHTERS                    | 33                  | 11,164 | 3.8    | 428 |                     |        |        |               |     |
| STATES- 41 15 WITH HERD-MATES                                   | 33                  | 11,164 | 3.8    | 428 | 8                   | 12,483 | 445    |               |     |
|   |                     |        |        |     | OIFF.               | 1319-  | 17-    |               |     |
| 1107568 FOOTPRINT MEL8A LOCHINVAR.....                          |                     |        |        |     |                     |        |        |               |     |
| 04-02-50 769436 3192082 9 NON-AI DAUGHTERS                      | 11                  | 10,825 | 3.9    | 420 |                     |        |        |               |     |
| STATES- 33 6 WITH HERD-MATES                                    | 8                   | 11,719 | 3.9    | 460 | 2                   | 12,769 | 488    |               |     |
|   |                     |        |        |     | OIFF.               | 1050-  | 28-    |               |     |
| 1108504 HYATT PURE ADMIRAL.....                                 |                     |        |        |     |                     |        |        |               |     |
| 11-02-49 769170 2197220 1906 AI DAUGHTERS-25*                   | 3822                | 12,868 | 3.8    | 483 |                     |        |        |               |     |
| AI STUO, 23-05 LISTED, 05-64 1867 WITH HERD-MATES               | 3729                | 12,895 | 3.8    | 484 | 12                  | 12,543 | 471    | 12,826        | 470 |
| STATES- 21,23,31,51,52,54                                       |                     |        |        |     | OIFF.               | 352    | 13     |               |     |
| 1108927 STEVELAWN TRIUNE ALICE.....                             |                     |        |        |     |                     |        |        |               |     |
| 12-10-48 975159 1522669 12 NON-AI DAUGHTERS                     | 32                  | 12,491 | 3.7    | 459 |                     |        |        |               |     |
| STATES- 34 10 WITH HERD-MATES                                   | 29                  | 12,483 | 3.7    | 458 | 6                   | 13,086 | 464    |               |     |
|   |                     |        |        |     | OIFF.               | 603-   | 6-     |               |     |
| 1109404 8UDO FARM DUNLOGGIN ADMIRAL.....                        |                     |        |        |     |                     |        |        |               |     |
| 04-12-50 951066 2364206 30 NON-AI DAUGHTERS                     | 112                 | 12,790 | 3.7    | 470 |                     |        |        |               |     |
| STATES- 32,34,82 29 WITH HERD-MATES                             | 109                 | 12,842 | 3.7    | 473 | 9                   | 13,313 | 492    |               |     |
|   |                     |        |        |     | OIFF.               | 471-   | 19-    |               |     |
| 1109516 GOLOEN DAIRY WAYNE KING.....                            |                     |        |        |     |                     |        |        |               |     |
| 09-04-49 979294 2354208 33 AI DAUGHTERS-25*                     | 33                  | 12,960 | 3.6    | 471 |                     |        |        |               |     |
| AI STUO, 51-02 LISTED, 08-62 33 WITH HERD-MATES                 | 33                  | 12,960 | 3.6    | 471 | 21                  | 13,050 | 489    | 12,448        | 444 |
| STATES- 33,51,52,54,56  |                     |        |        |     | OIFF.               | 90-    | 18-    |               |     |
|   | 31 NON-AI DAUGHTERS | 72     | 12,210 | 3.7 | 456                 |        |        |               |     |
|   | 31 WITH HERD-MATES  | 72     | 12,210 | 3.7 | 456                 | 22     | 13,180 | 485           |     |
|   |                     |        |        |     | OIFF.               | 970-   | 29-    |               |     |
| 1109640 MOOSEHEART SUPEREME.....                                |                     |        |        |     |                     |        |        |               |     |
| 01-09-50 970204 2579688 161 AI DAUGHTERS-25*                    | 243                 | 15,797 | 3.6    | 562 |                     |        |        |               |     |
| AI STUO, 93-05 LISTED, 08-63 156 WITH HERD-MATES                | 237                 | 15,740 | 3.6    | 561 | 35                  | 15,056 | 545    | 13,338        | 478 |
| STATES- 23,33,35,45,46,51,54, 61,64,82,86,88,91,92,93           |                     |        |        |     | OIFF.               | 684    | 16     |               |     |
|   | 19 NON-AI DAUGHTERS | 80     | 14,830 | 3.7 | 548                 |        |        |               |     |
|   | 19 WITH HERD-MATES  | 80     | 14,830 | 3.7 | 548                 | 24     | 13,971 | 530           |     |
|   |                     |        |        |     | OIFF.               | 859    | 18     |               |     |
| 1109924 PATHWAY ADMIRAL CRUSAER.....                            |                     |        |        |     |                     |        |        |               |     |
| 05-16-50 1014925 2520549 239 AI DAUGHTERS-25*                   | 526                 | 11,560 | 3.8    | 437 |                     |        |        |               |     |
| AI STUO, 33-02 LISTED, 08-62 213 WITH HERD-MATES                | 476                 | 11,566 | 3.8    | 438 | 14                  | 12,124 | 449    | 11,914        | 444 |
| STATES- 33,63   |                     |        |        |     | OIFF.               | 558-   | 11-    |               |     |
|   | 4 NON-AI DAUGHTERS  | 6      | 11,428 | 3.8 | 439                 |        |        |               |     |
|   | 3 WITH HERD-MATES   | 4      | 11,863 | 3.9 | 468                 | 6      | 10,963 | 397           |     |
|   |                     |        |        |     | OIFF.               | 900    | 71     |               |     |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN  | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |  |
|---|------------------------|--------|------|-----|---------------------|--------|-----|---------------|-----|--|
|   | RECORDS                | MILK   | TEST | FAT | AV.                 | MILK   | FAT | MILK          | FAT |  |
|   | NUMBER                 | L8     | %    | L8  | NUMBER              | L8     | L8  | L8            | L8  |  |
| 1110532 SHUR-PDLL DRMSBY PIEBE KING.....          |                        |        |      |     |                     |        |     |               |     |  |
| 05-28-50 1057252 2423489 9 NDN-AI DAUGHTERS       | 36                     | 12,906 | 3.9  | 498 |                     |        |     |               |     |  |
| STATES- 41 9 WITH HERD-MATES                      | 35                     | 12,921 | 3.9  | 498 | 8                   | 13,316 | 486 |               |     |  |
|   |                        |        |      |     | DIFF.               | 395-   | 12  |               |     |  |
| 1111030 CARDDA STAR CDMET CYRUS.....              |                        |        |      |     |                     |        |     |               |     |  |
| 01-15-50 959466 2481364 87 AI DAUGHTERS-25*       | 202                    | 11,797 | 3.8  | 449 |                     |        |     |               |     |  |
| AI STUD, 51-02 LISTED, 01-63 60 WITH HERD-MATES   | 160                    | 12,139 | 3.8  | 458 | 14                  | 11,492 | 415 | 12,927        | 487 |  |
| STATES- 31,33,35,51,54,55                         |                        |        |      |     | DIFF.               | 647    | 43  |               |     |  |
|   | 12                     | 11,843 | 3.9  | 461 | 6                   | 10,804 | 392 |               |     |  |
| 7 NDN-AI DAUGHTERS                                | 18                     | 10,885 | 3.8  | 416 | DIFF.               | 81     | 24  |               |     |  |
| 7 WITH HERD-MATES                                 |                        |        |      |     |                     |        |     |               |     |  |
| 1111079 HICKORY CREEK CHIEFTAIN.....              |                        |        |      |     |                     |        |     |               |     |  |
| 02-01-50 933055 2826225 9 NDN-AI DAUGHTERS        | 18                     | 12,545 | 3.6  | 449 |                     |        |     |               |     |  |
| STATES- 35,52,84 7 WITH HERD-MATES                | 16                     | 14,498 | 3.5  | 511 | 14                  | 13,054 | 477 |               |     |  |
|   |                        |        |      |     | DIFF.               | 1444   | 34  |               |     |  |
| 1111855 MINNEHAHA CLOUDY BEN.....                 |                        |        |      |     |                     |        |     |               |     |  |
| 02-05-50 838718 2587539 18 NDN-AI DAUGHTERS       | 54                     | 10,690 | 3.6  | 381 |                     |        |     |               |     |  |
| STATES- 41 18 WITH HERD-MATES                     | 53                     | 10,727 | 3.6  | 382 | 5                   | 12,111 | 437 |               |     |  |
|   |                        |        |      |     | DIFF.               | 1384-  | 55- |               |     |  |
| 1112211 PA8ST RE8URKE DUKE.....                   |                        |        |      |     |                     |        |     |               |     |  |
| 07-08-50 901195 2373582 1276 AI DAUGHTERS-25*     | 2254                   | 15,007 | 3.6  | 537 |                     |        |     |               |     |  |
| AI STUD, 31-01 LISTED, 05-64 1235 WITH HERD-MATES | 2189                   | 15,063 | 3.6  | 539 | 21                  | 13,902 | 504 | 13,762        | 495 |  |
| STATES- 11,12,13,14,16,21,22,                     |                        |        |      |     | DIFF.               | 1161   | 35  |               |     |  |
| 23,31,32,33,34,35,41,42,43,48,                    | 131                    | 15,815 | 3.6  | 568 |                     |        |     |               |     |  |
| 51,52,54,55,56,57,61,63,65,71,                    | 124                    | 15,688 | 3.6  | 563 | 22                  | 14,114 | 513 |               |     |  |
| 73,74,82,84,85,86                                 |                        |        |      |     | DIFF.               | 1574   | 50  |               |     |  |
| 1113260 SELECT CASCADE.....                       |                        |        |      |     |                     |        |     |               |     |  |
| 08-05-50 1045009 2218728 8 NDN-AI DAUGHTERS       | 17                     | 11,107 | 3.6  | 396 |                     |        |     |               |     |  |
| STATES- 21 6 WITH HERD-MATES                      | 15                     | 11,748 | 3.6  | 421 | 16                  | 12,558 | 455 |               |     |  |
|   |                        |        |      |     | DIFF.               | 810-   | 34- |               |     |  |
| 1113350 RAVEN BURKE IDEAL.....                    |                        |        |      |     |                     |        |     |               |     |  |
| 04-22-50 1013415 2948519 2146 AI DAUGHTERS-25*    | 3335                   | 14,234 | 3.6  | 511 |                     |        |     |               |     |  |
| AI STUD, 31-02 LISTED, 05-64 2066 WITH HERD-MATES | 3225                   | 14,203 | 3.6  | 509 | 20                  | 13,693 | 495 | 13,097        | 473 |  |
| STATES- 11,12,13,14,16,21,22,                     |                        |        |      |     | DIFF.               | 510    | 14  |               |     |  |
| 23,31,32,33,34,35,41,43,47,48,                    | 2                      | 12,975 | 3.5  | 460 |                     |        |     |               |     |  |
| 50,51,52,54,55,56,57,58,61,63,                    | 2                      | 12,975 | 3.5  | 460 | 21                  | 12,468 | 449 |               |     |  |
| 64,73,74,84,86,91,93                              |                        |        |      |     | DIFF.               | 507    | 11  |               |     |  |
| 1113743 LOCVALE PRINTER QUALIFIER.....            |                        |        |      |     |                     |        |     |               |     |  |
| 09-10-49 1014608 2108462 8 NDN-AI DAUGHTERS       | 26                     | 11,749 | 3.4  | 398 |                     |        |     |               |     |  |
| STATES- 51 8 WITH HERD-MATES                      | 25                     | 11,867 | 3.4  | 402 | 13                  | 11,861 | 428 |               |     |  |
|   |                        |        |      |     | DIFF.               | 6      | 26- |               |     |  |
| 1114195 .....                                     |                        |        |      |     |                     |        |     |               |     |  |
| STATES- 32 5 NDN-AI DAUGHTERS                     | 8                      | 14,505 | 3.6  | 515 |                     |        |     |               |     |  |
|   | 8                      | 14,505 | 3.6  | 515 | 16                  | 14,064 | 527 |               |     |  |
|   |                        |        |      |     | DIFF.               | 441    | 12- |               |     |  |
| 1114351 .....                                     |                        |        |      |     |                     |        |     |               |     |  |
| STATES- 21 5 NDN-AI DAUGHTERS                     | 9                      | 13,227 | 3.3  | 439 |                     |        |     |               |     |  |
|   | 6                      | 13,676 | 3.3  | 458 | 26                  | 13,753 | 492 |               |     |  |
|   |                        |        |      |     | DIFF.               | 77-    | 34- |               |     |  |
| 1115012 AIRY RIDGE ORMSBY PRINCE.....             |                        |        |      |     |                     |        |     |               |     |  |
| 12-06-49 837025 2590875 24 NDN-AI DAUGHTERS       | 81                     | 12,179 | 3.6  | 442 |                     |        |     |               |     |  |
| STATES- 21 14 WITH HERD-MATES                     | 64                     | 12,931 | 3.6  | 466 | 10                  | 12,718 | 456 |               |     |  |
|   |                        |        |      |     | DIFF.               | 213    | 10  |               |     |  |
| 1115616 .....                                     |                        |        |      |     |                     |        |     |               |     |  |
| STATES- 32 31 NDN-AI DAUGHTERS                    | 96                     | 13,202 | 3.4  | 454 |                     |        |     |               |     |  |
|   | 31                     | 13,202 | 3.4  | 454 | 23                  | 13,569 | 459 |               |     |  |
|   |                        |        |      |     | DIFF.               | 367-   | 5-  |               |     |  |
| 1115687 YAR8A ADMIRAL SHDW 8DY.....               |                        |        |      |     |                     |        |     |               |     |  |
| 01-10-50 769170 1908506 191 AI DAUGHTERS-25*      | 479                    | 11,895 | 3.8  | 451 |                     |        |     |               |     |  |
| AI STUD, 51-02 LISTED, 08-62 172 WITH HERD-MATES  | 448                    | 11,871 | 3.8  | 450 | 21                  | 11,759 | 437 | 12,509        | 465 |  |
| STATES- 21,23,41,51,52                            |                        |        |      |     | DIFF.               | 112    | 13  |               |     |  |
|   | 10                     | 12,047 | 3.7  | 447 |                     |        |     |               |     |  |
| 10 NDN-AI DAUGHTERS                               | 27                     | 12,045 | 3.7  | 447 | 11                  | 11,317 | 404 |               |     |  |
| 10 WITH HERD-MATES                                | 26                     |        |      |     | DIFF.               | 728    | 43  |               |     |  |
| 1116164 .....                                     |                        |        |      |     |                     |        |     |               |     |  |
| STATES- 32 5 NDN-AI DAUGHTERS                     | 8                      | 16,071 | 2.9  | 465 |                     |        |     |               |     |  |
|   | 7                      | 15,969 | 3.0  | 483 | 13                  | 14,670 | 531 |               |     |  |
|   |                        |        |      |     | DIFF.               | 1299   | 48- |               |     |  |
| 1117035 LAVACRES DELIA DUJD.....                  |                        |        |      |     |                     |        |     |               |     |  |
| 07-08-50 1026263 2354013 52 NDN-AI DAUGHTERS      | 87                     | 13,689 | 3.7  | 511 |                     |        |     |               |     |  |
| STATES- 61,86,93 52 WITH HERD-MATES               | 86                     | 13,695 | 3.7  | 511 | 51                  | 14,905 | 542 |               |     |  |
|   |                        |        |      |     | DIFF.               | 1210-  | 31- |               |     |  |
| 1117039 POND GATE MISTER.....                     |                        |        |      |     |                     |        |     |               |     |  |
| 08-06-50 1019313 2760877 1611 AI DAUGHTERS-25*    | 2340                   | 10,999 | 3.8  | 422 |                     |        |     |               |     |  |
| AI STUD, 51-02 LISTED, 05-64 1526 WITH HERD-MATES | 2230                   | 10,967 | 3.8  | 421 | 21                  | 12,616 | 472 | 10,852        | 406 |  |
| STATES- 22,23,31,50,51,52,54,                     |                        |        |      |     | DIFF.               | 1649-  | 51- |               |     |  |
| 55,56,61,87                                       | 61                     | 12,646 | 3.8  | 485 |                     |        |     |               |     |  |
| 61 NDN-AI DAUGHTERS                               | 207                    | 12,631 | 3.8  | 485 | 16                  | 13,477 | 502 |               |     |  |
| 61 WITH HERD-MATES                                | 206                    |        |      |     | DIFF.               | 846-   | 17- |               |     |  |
| 1117633 WEBER RDAMER BURKE CYCLONE.....           |                        |        |      |     |                     |        |     |               |     |  |
| 08-30-50 914049 2488549 49 AI DAUGHTERS-09        | 57                     | 16,023 | 3.6  | 579 |                     |        |     |               |     |  |
| AI STUD, 93-05 LISTED, 05-64 49 WITH HERD-MATES   | 57                     | 16,023 | 3.6  | 579 | 65                  | 16,229 | 585 | 12,607        | 461 |  |
| STATES- 35,82,87,91,93                            |                        |        |      |     | DIFF.               | 206-   | 6-  |               |     |  |
|   | 26                     | 13,503 | 3.7  | 499 |                     |        |     |               |     |  |
| 26 NDN-AI DAUGHTERS                               | 78                     | 13,501 | 3.7  | 499 | 27                  | 13,873 | 505 |               |     |  |
| 26 WITH HERD-MATES                                | 77                     |        |      |     | DIFF.               | 372-   | 6-  |               |     |  |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN  | RECORDS<br>NUMBER | AV. PRDUCTION<br>MILK L8 | DF<br>TEST<br>% | DAU.<br>FAT<br>L8 | ADJ.<br>AV.<br>NUMBER | HERD-MATES<br>MILK<br>L8 | AV.<br>FAT<br>LB | PREDICTED<br>MILK<br>L8 | AV.<br>FAT<br>L8 |
|---|-------------------|--------------------------|-----------------|-------------------|-----------------------|--------------------------|------------------|-------------------------|------------------|
| 1117834 WIS HERD.....   |                   |                          |                 |                   |                       |                          |                  |                         |                  |
| 09-28-50 1013418 2881144 439 AI DAUGHTERS-25*   | 682               | 12,788                   | 3.6             | 460               |                       |                          |                  |                         |                  |
| AI STUD, 41-01 LISTED, 05-64 388 WITH HERD-MATES  | 611               | 12,838                   | 3.6             | 463               | 17                    | 12,581                   | 452              | 12,731                  | 466              |
| STATES- 35,41,42,43,45,46,47, 71  |                   |                          |                 |                   | DIFF.                 | 257                      | 11               |                         |                  |
|   | 46                | 131                      | 13,317          | 3.6               | 479                   |                          |                  |                         |                  |
|   | 44                | 117                      | 13,220          | 3.6               | 475                   | 10                       | 12,940           | 473                     |                  |
|   |                   |                          |                 |                   | DIFF.                 | 280                      | 2                |                         |                  |
| 1118038 CARNATION STANDDUT.....   |                   |                          |                 |                   |                       |                          |                  |                         |                  |
| 02-25-50 808292 2462860 149 AI DAUGHTERS-25*  | 152               | 13,432                   | 3.6             | 479               |                       |                          |                  |                         |                  |
| AI STUD, 35-02 LISTED, 05-64 147 WITH HERD-MATES  | 147               | 13,535                   | 3.6             | 482               | 15                    | 13,450                   | 488              | 12,639                  | 452              |
| STATES- 23,33,34,35,50,51,54  |                   |                          |                 |                   | DIFF.                 | 85                       | 6-               |                         |                  |
|   | 21                | 47                       | 11,765          | 3.6               | 429                   |                          |                  |                         |                  |
|   | 18                | 37                       | 12,025          | 3.6               | 434                   | 30                       | 12,162           | 448                     |                  |
|   |                   |                          |                 |                   | DIFF.                 | 137-                     | 14-              |                         |                  |
| 1119036 .....   |                   |                          |                 |                   |                       |                          |                  |                         |                  |
|   | 6                 | 12                       | 11,755          | 3.7               | 437                   |                          |                  |                         |                  |
| STATES- 31,32,55,61   | 6                 | 11                       | 11,705          | 3.7               | 434                   | 14                       | 12,007           | 431                     |                  |
|   |                   |                          |                 |                   | DIFF.                 | 302-                     | 3                |                         |                  |
| 1119069 PABST RDJESS INKA.....  |                   |                          |                 |                   |                       |                          |                  |                         |                  |
| 10-05-50 859213 2973775 31 NDN-AI DAUGHTERS   | 84                | 12,694                   | 3.7             | 470               |                       |                          |                  |                         |                  |
| STATES- 31  | 31                | 70                       | 12,511          | 3.7               | 464                   | 10                       | 12,273           | 438                     |                  |
|   |                   |                          |                 |                   | DIFF.                 | 238                      | 26               |                         |                  |
| 1119289 .....   |                   |                          |                 |                   |                       |                          |                  |                         |                  |
|   | 5                 | 6                        | 13,432          | 3.6               | 485                   |                          |                  |                         |                  |
| STATES- 85  | 5                 | 6                        | 13,432          | 3.6               | 485                   | 134                      | 15,065           | 536                     |                  |
|   |                   |                          |                 |                   | DIFF.                 | 1633-                    | 51-              |                         |                  |
| 1119514 HICKORY CREEK PRDUD PRINCE.....   |                   |                          |                 |                   |                       |                          |                  |                         |                  |
| 09-30-49 949159 2272641 1054 AI DAUGHTERS-25*   | 2509              | 13,152                   | 3.5             | 454               |                       |                          |                  |                         |                  |
| AI STUD, 33-03 LISTED, 05-64 1012 WITH HERD-MATES   | 2429              | 13,192                   | 3.5             | 456               | 14                    | 12,872                   | 472              | 12,824                  | 441              |
| STATES- 11,12,13,14,16,21,22, 23,31,32,33,34,35,41,42,43,45, 46,47,50,51,52,54,55,56,57,58, 61,63,71,74,82,83,84,86,87,91, 92,93,94 |                   |                          |                 |                   | DIFF.                 | 320                      | 16-              |                         |                  |
|   | 1                 | 4                        | 13,045          | 3.6               | 472                   |                          |                  |                         |                  |
|   | 1                 | 4                        | 13,045          | 3.6               | 472                   | 6                        | 13,743           | 499                     |                  |
|   |                   |                          |                 |                   | DIFF.                 | 698-                     | 27-              |                         |                  |
| 1119686 SPRUCELEIGH MONDGRAM RAG APPLE.....   |                   |                          |                 |                   |                       |                          |                  |                         |                  |
| 01-09-50 010198871 010415059 2475 AI DAUGHTERS-25*  | 4382              | 12,935                   | 3.9             | 505               |                       |                          |                  |                         |                  |
| AI STUD, 23-05 LISTED, 05-64 2435 WITH HERD-MATES   | 4301              | 12,946                   | 3.9             | 506               | 12                    | 12,839                   | 482              | 12,614                  | 482              |
| STATES- 21,22,23,31,51,54,64  |                   |                          |                 |                   | DIFF.                 | 107                      | 24               |                         |                  |
|   | 1                 | 2                        | 10,870          | 3.3               | 362                   |                          |                  |                         |                  |
|   | 1                 | 2                        | 10,870          | 3.3               | 362                   | 3                        | 10,371           | 362                     |                  |
|   |                   |                          |                 |                   | DIFF.                 | 499                      |                  |                         |                  |
| 1120814 .....   |                   |                          |                 |                   |                       |                          |                  |                         |                  |
|   | 5                 | 5                        | 14,460          | 3.4               | 486                   |                          |                  |                         |                  |
| STATES- 93  | 5                 | 5                        | 14,460          | 3.4               | 486                   | 19                       | 13,810           | 516                     |                  |
|   |                   |                          |                 |                   | DIFF.                 | 650                      | 30-              |                         |                  |
| 1121323 GREENWDDMASTER.....   |                   |                          |                 |                   |                       |                          |                  |                         |                  |
| 01-31-50 978751 1740767 23 AI DAUGHTERS-19*   | 23                | 10,925                   | 4.1             | 444               |                       |                          |                  |                         |                  |
| AI STUD, 23-07  | 22                | 10,959                   | 4.1             | 449               | 12                    | 13,325                   | 501              | 11,011                  | 425              |
| STATES- 21,23,34,50,51,57   |                   |                          |                 |                   | DIFF.                 | 2366-                    | 52-              |                         |                  |
|   | 86                | 232                      | 12,579          | 4.0               | 499                   |                          |                  |                         |                  |
|   | 84                | 227                      | 12,669          | 4.0               | 502                   | 10                       | 13,279           | 510                     |                  |
|   |                   |                          |                 |                   | DIFF.                 | 610-                     | 8-               |                         |                  |
| 1121706 UNEEDA PICA PRINCE.....   |                   |                          |                 |                   |                       |                          |                  |                         |                  |
| 08-18-50 915469 2210077 1841 AI DAUGHTERS-25*   | 2777              | 13,215                   | 3.9             | 517               |                       |                          |                  |                         |                  |
| AI STUD, 31-02 LISTED, 05-64 1565 WITH HERD-MATES   | 2444              | 13,251                   | 3.9             | 518               | 16                    | 13,262                   | 479              | 12,538                  | 496              |
| STATES- 15,16,21,23,31,32,34, 35,43,47,51,52,54,55,56,57,58, 61,63,64,65,74,85  |                   |                          |                 |                   | DIFF.                 | 11-                      | 39               |                         |                  |
|   | 27                | 65                       | 14,126          | 4.0               | 565                   |                          |                  |                         |                  |
|   | 26                | 61                       | 14,182          | 4.0               | 566                   | 8                        | 13,706           | 501                     |                  |
|   |                   |                          |                 |                   | DIFF.                 | 476                      | 65               |                         |                  |
| 1122127 HICKORYVALE 8 8 LAD.....  |                   |                          |                 |                   |                       |                          |                  |                         |                  |
| 08-12-50 986779 2658395 299 AI DAUGHTERS-25*  | 618               | 13,365                   | 3.7             | 489               |                       |                          |                  |                         |                  |
| AI STUD, 51-02 LISTED, 05-64 273 WITH HERD-MATES  | 574               | 13,373                   | 3.7             | 490               | 17                    | 12,352                   | 463              | 13,430                  | 482              |
| STATES- 23,31,50,51,52,54,55  |                   |                          |                 |                   | DIFF.                 | 1021                     | 27               |                         |                  |
|   | 40                | 120                      | 14,224          | 3.6               | 514                   |                          |                  |                         |                  |
|   | 38                | 114                      | 14,251          | 3.6               | 517                   | 14                       | 12,924           | 476                     |                  |
|   |                   |                          |                 |                   | DIFF.                 | 1327                     | 41               |                         |                  |
| 1122141 FARMGRDVE PETE ELLA VARLET.....   |                   |                          |                 |                   |                       |                          |                  |                         |                  |
| 10-15-50 992332 2454485 10 NDN-AI DAUGHTERS   | 16                | 14,363                   | 3.7             | 529               |                       |                          |                  |                         |                  |
| STATES- 21  | 10                | 16                       | 14,363          | 3.7               | 529                   | 14                       | 13,712           | 496                     |                  |
|   |                   |                          |                 |                   | DIFF.                 | 651                      | 33               |                         |                  |
| 1122266 PENSTATE LUCIFER STAR.....  |                   |                          |                 |                   |                       |                          |                  |                         |                  |
| 07-01-50 769170 2171820 2057 AI DAUGHTERS-25*   | 4475              | 12,272                   | 3.9             | 473               |                       |                          |                  |                         |                  |
| AI STUD, 23-08 LISTED, 05-64 2039 WITH HERD-MATES   | 4421              | 12,293                   | 3.9             | 474               | 14                    | 12,785                   | 487              | 12,015                  | 445              |
| STATES- 14,16,21,22,23,50,51, 52,54,57  |                   |                          |                 |                   | DIFF.                 | 492-                     | 13-              |                         |                  |
| 1123124 TRIPLE-N ADMIRAL BURKE PLUTD.....   |                   |                          |                 |                   |                       |                          |                  |                         |                  |
| 06-12-50 1037303 2961817 48 NDN-AI DAUGHTERS  | 88                | 11,860                   | 3.5             | 421               |                       |                          |                  |                         |                  |
| STATES- 52  | 31                | 53                       | 12,281          | 3.5               | 434                   | 10                       | 12,313           | 432                     |                  |
|   |                   |                          |                 |                   | DIFF.                 | 32-                      | 2                |                         |                  |
| 1123249 LARRYDALE RAG APPLE SUPREME.....  |                   |                          |                 |                   |                       |                          |                  |                         |                  |
| 01-30-50 997363 2548611 63 AI DAUGHTERS-25*   | 147               | 13,120                   | 3.7             | 485               |                       |                          |                  |                         |                  |
| AI STUD, 93-05 LISTED, 08-63 57 WITH HERD-MATES   | 119               | 13,208                   | 3.7             | 485               | 4                     | 12,811                   | 461              | 12,824                  | 476              |
| STATES- 82,91   |                   |                          |                 |                   | DIFF.                 | 397                      | 24               |                         |                  |
| 1125174 8UDD FARM LAUXMONT MASTER.....  |                   |                          |                 |                   |                       |                          |                  |                         |                  |
| 03-09-50 982921 2544959 15 AI DAUGHTERS-14*   | 15                | 10,059                   | 3.9             | 391               |                       |                          |                  |                         |                  |
| AI STUD, 34-01 LISTED, 05-64 14 WITH HERD-MATES   | 14                | 10,141                   | 3.9             | 398               | 8                     | 12,200                   | 440              | 11,365                  | 432              |
| STATES- 14,21,22,23,34,35,50, 51,55,57  |                   |                          |                 |                   | DIFF.                 | 2059-                    | 42-              |                         |                  |
|   | 57                | 133                      | 12,937          | 4.1               | 536                   |                          |                  |                         |                  |
|   | 55                | 130                      | 12,900          | 4.1               | 534                   | 13                       | 13,833           | 520                     |                  |
|   |                   |                          |                 |                   | DIFF.                 | 933-                     | 14               |                         |                  |



SIRES OF OHIA DAUGHTERS  
HOLSTEIN

|                               |                                    |                    |     | AV. PRODUCTION OF DAU. |      |        |     | ADJ. HERD-MATES AV. |       |        | PREOICTED AV. |            |
|-------------------------------|------------------------------------|--------------------|-----|------------------------|------|--------|-----|---------------------|-------|--------|---------------|------------|
|                               |                                    |                    |     | RECORDS                | MILK | TEST   | FAT | AV.                 | MILK  | FAT    | MILK          | FAT        |
|                               |                                    |                    |     | NUMBER                 | LB   | %      | LB  | NUMBER              | LB    | LB     | LB            | LB         |
| 1125875                       | FRANLO ANTONY ROEBUCK              | REPETE - TWIN..... |     |                        |      |        |     |                     |       |        |               |            |
| 07-23-50                      | 1066477                            | 2305883            | 4   | AI DAUGHTERS-04        |      |        |     |                     |       |        |               |            |
| AI STUO,                      | 35-04                              | LISTED, 05-64      | 4   | WITH HERD-MATES        |      |        |     |                     |       |        |               |            |
| STATES-                       | 33,35,41,42,72,91                  |                    |     |                        |      |        |     |                     |       |        |               |            |
|                               |                                    |                    | 64  | NON-AI DAUGHTERS       | 161  | 13,404 | 3.6 | 488                 |       |        |               |            |
|                               |                                    |                    | 63  | WITH HERD-MATES        | 157  | 13,442 | 3.6 | 490                 | 18    | 13,679 | 500           | 10-        |
|                               |                                    |                    |     |                        |      |        |     |                     | DIFF. | 237-   |               |            |
| 1126307                       | WIS MAGISTRATE BURKE.....          |                    |     |                        |      |        |     |                     |       |        |               |            |
| 12-03-50                      | 999669                             | 2980159            | 107 | AI OAUHTERS-21         | 122  | 16,057 | 3.7 | 593                 |       |        |               |            |
| AI STUO,                      | 93-05                              | LISTED, 05-64      | 106 | WITH HERD-MATES        | 121  | 16,063 | 3.7 | 591                 | 55    | 15,644 | 565           | 13,126 488 |
| STATES-                       | 46,82,86,91,92,93                  |                    |     |                        |      |        |     |                     | OIFF. | 419    | 26            |            |
| 1126309                       | WIS IMPERIAL COUNT.....            |                    |     |                        |      |        |     |                     |       |        |               |            |
| 01-02-51                      | 933122                             | 2182986            | 19  | AI DAUGHTERS-10        | 20   | 15,179 | 3.7 | 563                 |       |        |               |            |
| AI STUO,                      | 93-05                              | LISTED, 05-64      | 19  | WITH HERD-MATES        | 20   | 15,179 | 3.7 | 563                 | 46    | 15,181 | 551           | 12,635 468 |
| STATES-                       | 86,87,91,92,93                     |                    |     |                        |      |        |     |                     | OIFF. | 2-     | 12            |            |
| 1126978                       | SKOKIE REGENT GRACIOUS.....        |                    |     |                        |      |        |     |                     |       |        |               |            |
| 09-29-50                      | 1038811                            | 2815548            | 55  | NDN-AI DAUGHTERS       | 90   | 13,068 | 3.7 | 490                 |       |        |               |            |
| STATES-                       | 35,52,55,57                        |                    | 50  | WITH HERD-MATES        | 82   | 13,013 | 3.8 | 488                 | 16    | 12,348 | 468           |            |
|                               |                                    |                    |     |                        |      |        |     |                     | DIFF. | 665    | 20            |            |
| 1126982                       | RAVENGLEN CREATION.....            |                    |     |                        |      |        |     |                     |       |        |               |            |
| 10-09-50                      | 1064734                            | 2136326            | 101 | AI OAUHTERS-25*        | 134  | 12,595 | 3.7 | 470                 |       |        |               |            |
| AI STUO,                      | 33-02                              | LISTED, 08-63      | 101 | WITH HERD-MATES        | 133  | 12,591 | 3.7 | 470                 | 16    | 12,930 | 478           | 12,210 450 |
| STATES-                       | 21,23,31,32,33,34,35,              |                    |     |                        |      |        |     |                     | DIFF. | 339-   | 8-            |            |
| 41,42,47,51,52,57,82          |                                    |                    | 27  | NON-AI DAUGHTERS       | 70   | 12,462 | 3.7 | 457                 |       |        |               |            |
|                               |                                    |                    | 26  | WITH HERD-MATES        | 69   | 12,461 | 3.7 | 456                 | 13    | 12,961 | 466           |            |
|                               |                                    |                    |     |                        |      |        |     |                     | OIFF. | 500-   | 10-           |            |
| 1127407                       | CLYOE HILL CORONATION T ROCK.....  |                    |     |                        |      |        |     |                     |       |        |               |            |
| 01-11-51                      | 960375                             | 2524658            | 239 | AI DAUGHTERS-25*       | 540  | 11,676 | 3.7 | 434                 |       |        |               |            |
| AI STUO,                      | 33-02                              |                    | 217 | WITH HERD-MATES        | 501  | 11,693 | 3.7 | 435                 | 11    | 12,344 | 454           | 11,847 437 |
| STATES-                       | 33,43,61,63                        |                    |     |                        |      |        |     |                     | OIFF. | 651-   | 19-           |            |
| 1127559                       | WINDY SHADE PDSCH ROBURKE.....     |                    |     |                        |      |        |     |                     |       |        |               |            |
| 12-08-50                      | 835919                             | 2847073            | 6   | NON-AI DAUGHTERS       | 10   | 11,202 | 3.5 | 389                 |       |        |               |            |
|                               | LISTED, 05-64                      |                    | 6   | WITH HERD-MATES        | 8    | 11,416 | 3.5 | 395                 | 15    | 12,793 | 453           |            |
| STATES-                       | 31,61                              |                    |     |                        |      |        |     |                     | DIFF. | 1377-  | 58-           |            |
| 1128033                       | MAURALIND VAR ORMSBY TWINK.....    |                    |     |                        |      |        |     |                     |       |        |               |            |
| 11-11-50                      | 950891                             | 2774584            | 14  | NON-AI DAUGHTERS       | 19   | 16,072 | 3.7 | 589                 |       |        |               |            |
| STATES-                       | 93                                 |                    | 13  | WITH HERD-MATES        | 16   | 16,164 | 3.6 | 589                 | 20    | 14,655 | 521           |            |
|                               |                                    |                    |     |                        |      |        |     |                     | OIFF. | 1509   | 68            |            |
| 1128341                       | ROBSON COLANTHA LOCHINVAR.....     |                    |     |                        |      |        |     |                     |       |        |               |            |
| 12-08-50                      | 923750                             | 2620763            | 6   | NON-AI DAUGHTERS       | 9    | 12,034 | 3.5 | 420                 |       |        |               |            |
|                               | LISTED, 05-64                      |                    | 6   | WITH HERD-MATES        | 9    | 12,034 | 3.5 | 420                 | 67    | 12,457 | 475           |            |
| STATES-                       | 33                                 |                    |     |                        |      |        |     |                     | OIFF. | 423-   | 55-           |            |
| 1128614                       | WAYNE ORMSBY IMPERIAL BURKE.....   |                    |     |                        |      |        |     |                     |       |        |               |            |
| 11-27-50                      | 813170                             | 2658321            | 24  | NON-AI DAUGHTERS       | 61   | 11,419 | 3.6 | 409                 |       |        |               |            |
|                               | LISTED, 05-64                      |                    | 22  | WITH HERD-MATES        | 53   | 11,411 | 3.6 | 410                 | 9     | 11,402 | 412           |            |
| STATES-                       | 41                                 |                    |     |                        |      |        |     |                     | OIFF. | 9      | 2-            |            |
| 1128932                       | RWJS ORMSBY VALE SIR HEILO.....    |                    |     |                        |      |        |     |                     |       |        |               |            |
| 01-17-50                      | 1077013                            | 3122269            | 21  | AI DAUGHTERS-11        | 26   | 14,886 | 3.6 | 536                 |       |        |               |            |
| AI STUO,                      | 93-05                              | LISTED, 08-63      | 21  | WITH HERD-MATES        | 26   | 14,886 | 3.6 | 536                 | 47    | 15,328 | 551           | 12,373 452 |
| STATES-                       | 91,92,93,95                        |                    |     |                        |      |        |     |                     | OIFF. | 442-   | 15-           |            |
| 1130156                       | ANDREAS OICTATOR FAIRY -TWIN.....  |                    |     |                        |      |        |     |                     |       |        |               |            |
| 12-19-50                      | 909428                             | 2565916            | 29  | NON-AI DAUGHTERS       | 53   | 14,232 | 3.7 | 533                 |       |        |               |            |
|                               | LISTED, 01-63                      |                    | 29  | WITH HERD-MATES        | 51   | 14,267 | 3.7 | 534                 | 11    | 14,519 | 532           |            |
| STATES-                       | 31                                 |                    |     |                        |      |        |     |                     | OIFF. | 252-   | 2             |            |
| 1130480                       | HANOY FARMS FOBES ORMSBY.....      |                    |     |                        |      |        |     |                     |       |        |               |            |
| 12-23-50                      | 1042139                            | 2435007            | 10  | NON-AI DAUGHTERS       | 31   | 12,264 | 3.5 | 428                 |       |        |               |            |
| STATES-                       | 21                                 |                    | 9   | WITH HERD-MATES        | 28   | 12,553 | 3.5 | 438                 | 14    | 12,664 | 457           |            |
|                               |                                    |                    |     |                        |      |        |     |                     | OIFF. | 111-   | 19-           |            |
| 1130560                       | .....                              |                    |     |                        |      |        |     |                     |       |        |               |            |
|                               |                                    |                    | 5   | NON-AI DAUGHTERS       | 8    | 9,847  | 3.7 | 366                 |       |        |               |            |
| STATES-                       | 31                                 |                    | 5   | WITH HERD-MATES        | 8    | 9,847  | 3.7 | 366                 | 14    | 11,103 | 399           |            |
|                               |                                    |                    |     |                        |      |        |     |                     | OIFF. | 1256-  | 33-           |            |
| 1130632                       | THONYMA MAUOLENE CRAFTSMAN.....    |                    |     |                        |      |        |     |                     |       |        |               |            |
| 01-29-50                      | 917165                             | 2359137            | 133 | AI OAUHTERS-25*        | 204  | 12,841 | 3.6 | 466                 |       |        |               |            |
| AI STUO,                      | 47-01                              | LISTED, 05-64      | 128 | WITH HERD-MATES        | 197  | 12,831 | 3.6 | 467                 | 23    | 12,571 | 461           | 12,717 461 |
| STATES-                       | 21,32,33,34,35,42,43,              |                    |     |                        |      |        |     |                     | OIFF. | 260    | 6             |            |
| 47,48,52,55,58,64,71,73,74,84 |                                    |                    | 27  | NON-AI DAUGHTERS       | 59   | 14,355 | 3.8 | 542                 |       |        |               |            |
|                               |                                    |                    | 9   | WITH HERD-MATES        | 23   | 14,550 | 3.9 | 570                 | 9     | 14,356 | 546           |            |
|                               |                                    |                    |     |                        |      |        |     |                     | OIFF. | 194    | 24            |            |
| 1131045                       | SHAWS D A F TIOY GOLO - TWIN.....  |                    |     |                        |      |        |     |                     |       |        |               |            |
| 02-02-51                      | 1048677                            | 2752715            | 30  | AI OAUHTERS-25*        | 30   | 12,404 | 3.6 | 451                 |       |        |               |            |
| AI STUO,                      | 51-02                              | LISTED, 05-64      | 30  | WITH HERD-MATES        | 30   | 12,404 | 3.6 | 451                 | 19    | 12,834 | 484           | 12,191 434 |
| STATES-                       | 23,31,42,51,52,54,55,              |                    |     |                        |      |        |     |                     | DIFF. | 430-   | 33-           |            |
| 58                            |                                    |                    | 49  | NON-AI DAUGHTERS       | 163  | 13,031 | 3.7 | 477                 |       |        |               |            |
|                               |                                    |                    | 49  | WITH HERD-MATES        | 163  | 13,031 | 3.7 | 477                 | 16    | 13,121 | 487           |            |
|                               |                                    |                    |     |                        |      |        |     |                     | OIFF. | 90-    | 10-           |            |
| 1131215                       | PA8ST REGAL DAN.....               |                    |     |                        |      |        |     |                     |       |        |               |            |
| 01-05-51                      | 901195                             | 2104309            | 67  | AI OAUHTERS-25*        | 106  | 12,576 | 3.6 | 455                 |       |        |               |            |
| AI STUO,                      | 61-01                              | LISTED, 05-64      | 61  | WITH HERO-MATES        | 99   | 12,697 | 3.6 | 459                 | 14    | 13,361 | 484           | 11,994 437 |
| STATES-                       | 14,33,34,51,61                     |                    |     |                        |      |        |     |                     | DIFF. | 664-   | 25-           |            |
|                               |                                    |                    | 41  | NON-AI DAUGHTERS       | 127  | 12,751 | 3.7 | 469                 |       |        |               |            |
|                               |                                    |                    | 38  | WITH HERD-MATES        | 122  | 12,731 | 3.7 | 466                 | 10    | 13,460 | 491           |            |
|                               |                                    |                    |     |                        |      |        |     |                     | OIFF. | 729-   | 25-           |            |
| 1131397                       | CEYDERMEAD BUTTER BOY ROBERTS..... |                    |     |                        |      |        |     |                     |       |        |               |            |
| 12-25-50                      | 1048668                            | 2810062            | 8   | NON-AI DAUGHTERS       | 22   | 13,755 | 3.6 | 491                 |       |        |               |            |
| STATES-                       | 21                                 |                    | 6   | WITH HERO-MATES        | 20   | 14,474 | 3.6 | 515                 | 12    | 14,051 | 503           |            |
|                               |                                    |                    |     |                        |      |        |     |                     | OIFF. | 423    | 12            |            |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN                                      |      |                  |      | AV. PRODUCTION OF | DAU. | ADJ. HERD-MATES | AV.   | PREDICTED | AV.  |
|---|------|------------------|------|-------------------|------|-----------------|-------|-----------|------|
|   |      |                  |      | RECORDS           | MILK | TEST            | FAT   | MILK      | FAT  |
|   |      |                  |      | NUMBER            | L8   | %               | L8    | L8        | L8   |
| 1131918 GREENAWAY HARRY SOVEREIGN.....        |      |                  |      |                   |      |                 |       |           |      |
| 10-20-50 977110 2608635                       | 23   | AI DAUGHTERS-15  | 45   | 12,055            | 3.6  | 433             |       |           |      |
| AI STUD, 11-01                                | 22   | WITH HERD-MATES  | 44   | 12,246            | 3.6  | 438             | 15    | 12,422    | 468  |
| STATES- 11,16                                 |      |                  |      |                   |      |                 | DIFF. | 176-      | 30-  |
|   | 12   | NDN-AI DAUGHTERS | 22   | 12,355            | 3.7  | 455             |       |           |      |
|   | 11   | WITH HERD-MATES  | 19   | 12,440            | 3.7  | 456             | 17    | 13,334    | 518  |
|   |      |                  |      |                   |      |                 | DIFF. | 894-      | 62-  |
| 1132684 HEERSCHE ROMEO 8ENEFACTOR - TWIN..... |      |                  |      |                   |      |                 |       |           |      |
| 07-11-50 1063307 2211866                      | 1603 | AI DAUGHTERS-25* | 2347 | 12,200            | 3.7  | 450             |       |           |      |
| AI STUD, 41-01 LISTED, 05-64                  | 1443 | WITH HERD-MATES  | 2154 | 12,169            | 3.7  | 449             | 15    | 12,676    | 455  |
| STATES- 35,41,42,45,46,48,73                  |      |                  |      |                   |      |                 | DIFF. | 507-      | 6-   |
|   | 66   | NON-AI DAUGHTERS | 187  | 13,279            | 3.6  | 483             |       |           |      |
|   | 56   | WITH HERD-MATES  | 165  | 13,704            | 3.6  | 496             | 11    | 13,710    | 491  |
|   |      |                  |      |                   |      |                 | DIFF. | 6-        | 5    |
| 1133807 .....                                 |      |                  |      |                   |      |                 |       |           |      |
|   | 7    | NDN-AI DAUGHTERS | 7    | 12,639            | 3.4  | 432             |       |           |      |
| STATES- 48                                    | 7    | WITH HERD-MATES  | 7    | 12,639            | 3.4  | 432             | 19    | 14,008    | 506  |
|   |      |                  |      |                   |      |                 | DIFF. | 1369-     | 74-  |
| 1134067 .....                                 |      |                  |      |                   |      |                 |       |           |      |
|   | 8    | NON-AI DAUGHTERS | 13   | 10,797            | 3.8  | 410             |       |           |      |
| STATES- 91                                    | 7    | WITH HERD-MATES  | 11   | 11,700            | 3.8  | 445             | 10    | 12,869    | 475  |
|   |      |                  |      |                   |      |                 | DIFF. | 1169-     | 30-  |
| 1134841 SEGIS F08ES PA8ST 8URKE.....          |      |                  |      |                   |      |                 |       |           |      |
| 12-12-50 914050 3060045                       | 362  | AI DAUGHTERS-25* | 393  | 12,995            | 3.8  | 492             |       |           |      |
| AI STUD, 35-75 LISTED, 03-64                  | 355  | WITH HERD-MATES  | 383  | 13,073            | 3.8  | 495             | 26    | 12,882    | 476  |
| STATES- 12,13,14,16,21,22,23,                 |      |                  |      |                   |      |                 | DIFF. | 191       | 19   |
| 31,32,33,34,35,41,48,51,52,55,                | 29   | NON-AI DAUGHTERS | 64   | 12,519            | 3.8  | 476             |       |           |      |
| 56,57,58,64,82,87,91,92,93                    | 29   | WITH HERD-MATES  | 64   | 12,519            | 3.8  | 476             | 9     | 12,134    | 451  |
|   |      |                  |      |                   |      |                 | DIFF. | 385       | 25   |
| 1135299 LARRO ORMSBY VICTOR F08ES.....        |      |                  |      |                   |      |                 |       |           |      |
| 11-29-48 701072 2253824                       | 16   | NDN-AI DAUGHTERS | 16   | 11,421            | 3.7  | 422             |       |           |      |
| STATES- 34                                    | 16   | WITH HERD-MATES  | 16   | 11,421            | 3.7  | 422             | 13    | 10,737    | 400  |
|   |      |                  |      |                   |      |                 | DIFF. | 684       | 22   |
| 1136435 CARNATION MADCAP MASTER.....          |      |                  |      |                   |      |                 |       |           |      |
| 03-13-50 943802 2613533                       | 119  | AI DAUGHTERS-25* | 126  | 13,379            | 3.5  | 466             |       |           |      |
| AI STUD, 34-01 LISTED, 05-64                  | 118  | WITH HERD-MATES  | 125  | 13,463            | 3.5  | 469             | 17    | 13,109    | 479  |
| STATES- 31,34                                 |      |                  |      |                   |      |                 | DIFF. | 354       | 10-  |
|   | 32   | NDN-AI DAUGHTERS | 57   | 15,181            | 3.5  | 528             |       |           |      |
|   | 32   | WITH HERD-MATES  | 57   | 15,181            | 3.5  | 528             | 6     | 14,050    | 511  |
|   |      |                  |      |                   |      |                 | DIFF. | 1131      | 17   |
| 1136564 WEARY RIVER RESDLUTE PAUL.....        |      |                  |      |                   |      |                 |       |           |      |
| 12-13-50 863778 2350871                       | 101  | AI DAUGHTERS-07  | 144  | 17,326            | 3.5  | 606             |       |           |      |
| AI STUD, 93-05 LISTED, 05-64                  | 101  | WITH HERD-MATES  | 144  | 17,326            | 3.5  | 606             | 51    | 16,288    | 585  |
| STATES- 82,86,91,93                           |      |                  |      |                   |      |                 | DIFF. | 1038      | 21   |
|   | 27   | NDN-AI DAUGHTERS | 84   | 16,916            | 3.6  | 605             |       |           |      |
|   | 26   | WITH HERD-MATES  | 83   | 17,064            | 3.6  | 611             | 55    | 16,659    | 597  |
|   |      |                  |      |                   |      |                 | DIFF. | 405       | 14   |
| 1136723 PLAIN VIEW VICTOR BURKE.....          |      |                  |      |                   |      |                 |       |           |      |
| 05-29-50 1046285 2794606                      | 854  | AI DAUGHTERS-25* | 1442 | 12,867            | 3.7  | 473             |       |           |      |
| AI STUD, 61-01 LISTED, 03-64                  | 740  | WITH HERD-MATES  | 1280 | 13,012            | 3.7  | 479             | 15    | 12,731    | 458  |
| STATES- 35,61,63                              |      |                  |      |                   |      |                 | DIFF. | 281       | 21   |
|   | 16   | NDN-AI DAUGHTERS | 40   | 14,914            | 3.5  | 519             |       |           |      |
|   | 16   | WITH HERD-MATES  | 40   | 14,914            | 3.5  | 519             | 14    | 14,099    | 500  |
|   |      |                  |      |                   |      |                 | DIFF. | 815       | 19   |
| 1136905 CARNATION PROGRESSOR WALKER-TWIN..... |      |                  |      |                   |      |                 |       |           |      |
| 09-12-50 1075872 2248064                      | 433  | AI DAUGHTERS-25* | 457  | 12,722            | 3.5  | 443             |       |           |      |
| AI STUD, 41-01 LISTED, 05-64                  | 399  | WITH HERD-MATES  | 418  | 12,746            | 3.5  | 444             | 15    | 12,892    | 465  |
| STATES- 41,42,45,46,91,95                     |      |                  |      |                   |      |                 | DIFF. | 146-      | 21-  |
|   | 39   | NON-AI DAUGHTERS | 95   | 14,835            | 3.7  | 542             |       |           |      |
|   | 39   | WITH HERD-MATES  | 93   | 14,859            | 3.6  | 542             | 10    | 13,864    | 515  |
|   |      |                  |      |                   |      |                 | DIFF. | 995       | 27   |
| 1137421 APPALACHIAN LAUXMONT COLANTHUS.....   |      |                  |      |                   |      |                 |       |           |      |
| 02-14-51 813911 2430950                       | 324  | AI DAUGHTERS-25* | 585  | 14,919            | 3.8  | 569             |       |           |      |
| AI STUD, 31-01 LISTED, 05-64                  | 321  | WITH HERD-MATES  | 579  | 14,938            | 3.8  | 570             | 34    | 14,938    | 551  |
| STATES- 31,52,55,74,84                        |      |                  |      |                   |      |                 | DIFF. |           | 19   |
| 1137503 WALKWAY TY VIC ROBIN.....             |      |                  |      |                   |      |                 |       |           |      |
| 01-05-51 923749 2121256                       | 215  | AI DAUGHTERS-25* | 313  | 12,196            | 3.9  | 478             |       |           |      |
| AI STUD, 31-02 LISTED, 05-64                  | 198  | WITH HERD-MATES  | 291  | 12,224            | 4.0  | 483             | 14    | 12,929    | 467  |
| STATES- 31,33,43,55,56,63                     |      |                  |      |                   |      |                 | DIFF. | 705-      | 16   |
|   | 32   | NON-AI DAUGHTERS | 82   | 12,782            | 4.1  | 526             |       |           |      |
|   | 32   | WITH HERD-MATES  | 78   | 12,749            | 4.1  | 524             | 11    | 13,470    | 518  |
|   |      |                  |      |                   |      |                 | DIFF. | 721-      | 6    |
| 1137717 MANOELIS CLYDE 80Y.....               |      |                  |      |                   |      |                 |       |           |      |
| 01-04-51 1054508 2896328                      | 42   | NON-AI DAUGHTERS | 42   | 15,414            | 3.4  | 526             |       |           |      |
| STATES- 85                                    | 42   | WITH HERD-MATES  | 42   | 15,414            | 3.4  | 526             | 214   | 15,523    | 538  |
|   |      |                  |      |                   |      |                 | DIFF. | 109-      | 12-  |
| 1138150 .....                                 |      |                  |      |                   |      |                 |       |           |      |
|   | 15   | NON-AI DAUGHTERS | 18   | 12,748            | 3.5  | 440             |       |           |      |
| STATES- 21                                    | 10   | WITH HERD-MATES  | 11   | 12,938            | 3.5  | 450             | 8     | 12,121    | 424  |
|   |      |                  |      |                   |      |                 | DIFF. | 817       | 26   |
| 1138441 CASH-MAR ORMSBY JERRY.....            |      |                  |      |                   |      |                 |       |           |      |
| 10-14-50 1104468 2777077                      | 296  | AI DAUGHTERS-25* | 325  | 14,381            | 3.4  | 488             |       |           |      |
| AI STUD, 31-02 LISTED, 05-64                  | 289  | WITH HERD-MATES  | 317  | 14,401            | 3.4  | 488             | 21    | 13,329    | 482  |
| STATES- 21,23,31,32,34,35,43,                 |      |                  |      |                   |      |                 | DIFF. | 1072      | 6    |
| 55,56,61,63,64,74                             |      |                  |      |                   |      |                 |       |           |      |
|   | 1    | NON-AI DAUGHTERS | 2    | 7,850             | 3.5  | 271             |       |           |      |
|   | 1    | WITH HERD-MATES  | 2    | 7,850             | 3.5  | 271             | 20    | 12,204    | 434  |
|   |      |                  |      |                   |      |                 | DIFF. | 4354-     | 163- |
| 1138451 ROSAFE MAGICIAN.....                  |      |                  |      |                   |      |                 |       |           |      |
| 12-02-49 010198998 010547099                  | 966  | AI DAUGHTERS-25* | 1495 | 13,771            | 3.6  | 501             |       |           |      |
| AI STUD, 31-02 LISTED, 03-64                  | 913  | WITH HERD-MATES  | 1418 | 13,812            | 3.6  | 503             | 25    | 14,204    | 517  |
| STATES- 11,12,13,14,21,22,23,                 |      |                  |      |                   |      |                 | DIFF. | 392-      | 14-  |
| 31,32,33,34,35,41,42,43,51,52,                | 45   | NON-AI DAUGHTERS | 94   | 14,697            | 3.9  | 566             |       |           |      |
| 55,56,57,61,63,64,74,84,85,86,                | 43   | WITH HERD-MATES  | 92   | 14,788            | 3.9  | 570             | 21    | 14,783    | 574  |
| 87,91,92,93                                   |      |                  |      |                   |      |                 | DIFF. | 5         | 4-   |

| SIRES OF DHIA DAUGHTERS  |  |  |  |  | AV. RECDRDS | PRODUCTION MILK LB | DF TEST % | DAU. FAT L8 | ADJ. AV. NUM8ER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED AV. MILK LB FAT L8 |     |
|--|--|--|--|--|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|------------------------------|-----|
| HDLSTEIN   |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 1139159 GRAY VIEW NAVIGATOR.....   |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 01-04-51 895911 2304541 104 AI DAUGHTERS-25*   |  |  |  |  | 242         | 12,768             | 3.6       | 458         |                 |                    |            |                              |     |
| AI STUD, 31-01 104 WITH HERD-MATES   |  |  |  |  | 240         | 12,794             | 3.6       | 459         | 11              | 13,042             | 470        | 12,301                       | 446 |
| STATES- 31,33,34,35,42,54,61   |  |  |  |  |             |                    |           |             | DIFF.           | 248-               | 11-        |                              |     |
|  |  |  |  |  | 23          | 13,334             | 3.5       | 472         |                 |                    |            |                              |     |
|  |  |  |  |  | 43          | 13,309             | 3.6       | 474         | 23              | 12,987             | 467        |                              |     |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 322                | 7          |                              |     |
| 1139386 SUTTEN DAKS VRDUKA RETT.....   |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 01-12-51 978645 2471368 79 AI DAUGHTERS-13   |  |  |  |  | 93          | 14,827             | 3.7       | 551         |                 |                    |            |                              |     |
| AI STUD, 93-01 LISTED, 03-64 79 WITH HERD-MATES  |  |  |  |  | 93          | 14,827             | 3.7       | 551         | 79              | 15,518             | 543        | 12,139                       | 470 |
| STATES- 93   |  |  |  |  |             |                    |           |             | DIFF.           | 691-               | 8          |                              |     |
|  |  |  |  |  | 1           | 13,300             | 3.6       | 477         |                 |                    |            |                              |     |
| 1139719 BAYPORT VICTOR GLEN.....   |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 08-17-50 990824 2974869 22 NDN-AI DAUGHTERS  |  |  |  |  | 70          | 14,107             | 3.6       | 510         |                 |                    |            |                              |     |
| STATES- 41 22 WITH HERD-MATES  |  |  |  |  | 66          | 14,115             | 3.6       | 508         | 6               | 13,899             | 518        |                              |     |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 216                | 10-        |                              |     |
| 1140217 ELMER BRDDK INKA HDMESTEAD LAD.....  |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 10-26-50 1069792 2853593 82 AI DAUGHTERS-25*   |  |  |  |  | 121         | 12,579             | 3.7       | 465         |                 |                    |            |                              |     |
| AI STUD, 47-01 LISTED, 05-64 74 WITH HERD-MATES  |  |  |  |  | 110         | 12,545             | 3.7       | 461         | 20              | 12,779             | 463        | 12,296                       | 454 |
| STATES- 42,47  |  |  |  |  |             |                    |           |             | DIFF.           | 234-               | 2-         |                              |     |
|  |  |  |  |  | 32          | 13,190             | 3.7       | 489         |                 |                    |            |                              |     |
|  |  |  |  |  | 116         | 13,190             | 3.7       | 489         | 24              | 13,507             | 504        |                              |     |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 317-               | 15-        |                              |     |
| 1140763 LARRIETTA BURCAR PABST.....  |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 01-01-51 1049581 2622088 2413 AI DAUGHTERS-25*   |  |  |  |  | 4231        | 13,409             | 3.8       | 505         |                 |                    |            |                              |     |
| AI STUD, 21-01 LISTED, 05-64 2149 WITH HERD-MATES  |  |  |  |  | 3832        | 13,451             | 3.8       | 506         | 22              | 13,613             | 492        | 12,423                       | 473 |
| STATES- 11,13,14,15,16,21,22, 23,47,51,52,56   |  |  |  |  |             |                    |           |             | DIFF.           | 162-               | 14         |                              |     |
|  |  |  |  |  | 65          | 13,680             | 3.7       | 507         |                 |                    |            |                              |     |
|  |  |  |  |  | 150         | 13,431             | 3.7       | 500         | 24              | 13,540             | 493        |                              |     |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 109-               | 7          |                              |     |
| 1141276 MAVIEW LAD DIRECT FERN SIDE.....   |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 01-29-51 1011980 2959074 909 AI DAUGHTERS-25*  |  |  |  |  | 975         | 12,582             | 3.8       | 474         |                 |                    |            |                              |     |
| AI STUD, 52-01 LISTED, 05-64 891 WITH HERD-MATES   |  |  |  |  | 957         | 12,609             | 3.8       | 475         | 23              | 13,234             | 478        | 11,933                       | 454 |
| STATES- 11,12,13,14,16,21,22, 23,51,52,55  |  |  |  |  |             |                    |           |             | DIFF.           | 625-               | 3-         |                              |     |
|  |  |  |  |  | 78          | 13,458             | 3.8       | 517         |                 |                    |            |                              |     |
|  |  |  |  |  | 193         | 13,454             | 3.8       | 517         | 24              | 14,054             | 531        |                              |     |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 600-               | 14-        |                              |     |
| 1141631 .....  |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
|  |  |  |  |  | 5           | 12,600             | 3.5       | 445         |                 |                    |            |                              |     |
| STATES- 31,54 5 WITH HERD-MATES  |  |  |  |  | 13          | 12,600             | 3.5       | 445         | 16              | 12,616             | 462        |                              |     |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 16-                | 17-        |                              |     |
| 1141652 ELBANNER BESS DRMSBY NDRMAN.....   |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 07-18-47 737915 2379183 26 NDN-AI DAUGHTERS  |  |  |  |  | 70          | 12,050             | 3.5       | 423         |                 |                    |            |                              |     |
| STATES- 21 1 WITH HERD-MATES   |  |  |  |  | 1           | 15,960             | 3.3       | 531         | 14              | 14,022             | 475        |                              |     |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 1938               | 56         |                              |     |
| 1142734 MEADOW SPRINGS FOLLOW DN LAIRD.....  |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 03-21-51 742938 2482700 771 AI DAUGHTERS-25*   |  |  |  |  | 1151        | 13,516             | 3.8       | 507         |                 |                    |            |                              |     |
| AI STUD, 31-01 LISTED, 05-64 726 WITH HERD-MATES   |  |  |  |  | 1099        | 13,563             | 3.8       | 509         | 16              | 13,861             | 504        | 12,315                       | 465 |
| STATES- 11,12,13,14,16,21,22, 23,31,32,33,34,41,51,52,54,55, 58,61,63,65,74,83,84,85,86,91 |  |  |  |  |             |                    |           |             | DIFF.           | 298-               | 5          |                              |     |
|  |  |  |  |  | 47          | 12,892             | 3.7       | 483         |                 |                    |            |                              |     |
|  |  |  |  |  | 136         | 13,123             | 3.7       | 490         | 15              | 12,861             | 470        |                              |     |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 262                | 20         |                              |     |
| 1143527 PABST WALKER RDAM.....   |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 05-17-51 981360 2901869 41 AI DAUGHTERS-13   |  |  |  |  | 48          | 11,779             | 3.4       | 400         |                 |                    |            |                              |     |
| AI STUD, 72-01 LISTED, 05-64 38 WITH HERD-MATES  |  |  |  |  | 44          | 12,050             | 3.4       | 409         | 21              | 11,301             | 397        | 12,951                       | 460 |
| STATES- 41,47,65,72,91   |  |  |  |  |             |                    |           |             | DIFF.           | 749                | 12         |                              |     |
|  |  |  |  |  | 31          | 13,817             | 3.7       | 515         |                 |                    |            |                              |     |
|  |  |  |  |  | 42          | 13,379             | 3.7       | 491         | 8               | 13,540             | 492        |                              |     |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 161-               | 1-         |                              |     |
| 1143579 CORNELL JIM AUSTIN.....  |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 03-21-51 834222 2622828 14 AI DAUGHTERS-06   |  |  |  |  | 28          | 12,530             | 3.6       | 446         |                 |                    |            |                              |     |
| AI STUD, 21-01 6 WITH HERD-MATES   |  |  |  |  | 11          | 12,594             | 3.7       | 461         | 20              | 12,682             | 462        | 12,449                       | 455 |
| STATES- 13,21  |  |  |  |  |             |                    |           |             | DIFF.           | 88-                | 1-         |                              |     |
|  |  |  |  |  | 1           | 10,160             | 4.0       | 404         |                 |                    |            |                              |     |
| 1144846 SKDKIE GOLDEN ECHD.....  |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 02-12-51 1079736 2501503 8 NDN-AI DAUGHTERS  |  |  |  |  | 16          | 13,481             | 3.6       | 481         |                 |                    |            |                              |     |
| STATES- 32 8 WITH HERD-MATES   |  |  |  |  | 14          | 13,352             | 3.6       | 478         | 7               | 13,037             | 485        |                              |     |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 315                | 7-         |                              |     |
| 1145687 .....  |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
|  |  |  |  |  | 5           | 14,196             | 3.4       | 483         |                 |                    |            |                              |     |
| STATES- 32 5 WITH HERD-MATES   |  |  |  |  | 8           | 14,196             | 3.4       | 483         | 30              | 12,617             | 448        |                              |     |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 1579               | 35         |                              |     |
| 1145788 CRESCENT BEAUTY LIEUTENANT.....  |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 02-16-51 1074603 2275262 178 AI DAUGHTERS-25*  |  |  |  |  | 289         | 13,060             | 3.8       | 494         |                 |                    |            |                              |     |
| AI STUD, 32-02 LISTED, 05-64 166 WITH HERD-MATES   |  |  |  |  | 269         | 13,110             | 3.8       | 495         | 14              | 13,537             | 502        | 12,173                       | 453 |
| STATES- 21,31,32,33,34,35,42, 51,56,57,61,74   |  |  |  |  |             |                    |           |             | DIFF.           | 427-               | 7-         |                              |     |
| 1147007 ALCARTRA KNDLLWDDO SUPREME.....  |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 04-04-50 847579 2796656 13 NDN-AI DAUGHTERS  |  |  |  |  | 35          | 10,291             | 3.4       | 354         |                 |                    |            |                              |     |
| STATES- 21 8 WITH HERD-MATES   |  |  |  |  | 25          | 11,002             | 3.5       | 386         | 11              | 11,499             | 421        |                              |     |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 497-               | 35-        |                              |     |
| 1148087 ROLLING KNDLL GOLDEN STRDKE.....   |  |  |  |  |             |                    |           |             |                 |                    |            |                              |     |
| 01-16-51 976710 2630072 363 AI DAUGHTERS-25*   |  |  |  |  | 554         | 14,501             | 3.6       | 523         |                 |                    |            |                              |     |
| AI STUD, 31-01 LISTED, 05-64 354 WITH HERD-MATES   |  |  |  |  | 541         | 14,540             | 3.6       | 525         | 16              | 13,771             | 501        | 13,334                       | 483 |
| STATES- 12,14,15,16,21,23,31, 32,51,52,56,58,61,74,84                                      |  |  |  |  |             |                    |           |             | DIFF.           | 769                | 24         |                              |     |
|  |  |  |  |  | 13          | 15,001             | 3.7       | 552         |                 |                    |            |                              |     |
|  |  |  |  |  | 38          | 14,877             | 3.7       | 549         | 11              | 14,295             | 523        |                              |     |





## SIRE OF DHIA DAUGHTERS

| HOLSTEIN  |      |                  |      | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | AOJ. AV. MILK LB | HERO-MATES AV. FAT LB | PREDICTED AV. MILK LB | AV. FAT LB |
|---|------|------------------|------|-------------|-----------------------|--------|-------------|------------------|-----------------------|-----------------------|------------|
| 1154123 OHIO IMPERIAL PRIOR.....  |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 03-22-51 907873 2970837   | 24   | NON-AI DAUGHTERS | 49   | 12,102      | 3.5                   | 418    |             |                  |                       |                       |            |
| STATES- 31,51,61  | 23   | WITH HERO-MATES  | 47   | 11,824      | 3.5                   | 414    |             | 10               | 12,447                | 441                   | 27-        |
|   |      |                  |      |             |                       |        |             | DIFF.            | 623-                  |                       |            |
| 1154266 .....   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
|   | 14   | NON-AI DAUGHTERS | 38   | 13,646      | 3.3                   | 452    |             |                  |                       |                       |            |
| STATES- 34  | 13   | WITH HERO-MATES  | 37   | 13,568      | 3.3                   | 451    |             | 10               | 12,974                | 465                   | 14-        |
|   |      |                  |      |             |                       |        |             | DIFF.            | 594                   |                       |            |
| 1154817 POESTENKILL BURKE GERBEN.....   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 06-04-50 1084039 2821015  | 400  | AI DAUGHTERS-25* | 829  | 13,372      | 3.8                   | 504    |             |                  |                       |                       |            |
| AI STUO, 22-03 LISTED, 05-64  | 361  | WITH HERO-MATES  | 739  | 13,443      | 3.8                   | 508    |             | 25               | 13,530                | 505                   | 12,489 463 |
| STATES- 11,12,14,15,16,21,22,23,51  |      |                  |      |             |                       |        |             | DIFF.            | 87-                   | 3                     |            |
| 1154829 WESTWOOD CHIEF TAMAR.....   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 11-06-49 812000 2814812   | 11   | NON-AI DAUGHTERS | 19   | 11,867      | 3.7                   | 439    |             |                  |                       |                       |            |
| STATES- 34  | 11   | WITH HERO-MATES  | 19   | 11,867      | 3.7                   | 439    |             | 12               | 12,985                | 478                   | 39-        |
|   |      |                  |      |             |                       |        |             | DIFF.            | 1118-                 |                       |            |
| 1154946 NORTHMOOR ALERT MICHAEL.....  |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 08-01-51 1035461 2915512  | 1181 | AI DAUGHTERS-25* | 1457 | 13,920      | 3.6                   | 503    |             |                  |                       |                       |            |
| AI STUO, 35-75 LISTED, 05-64  | 1134 | WITH HERO-MATES  | 1404 | 13,956      | 3.6                   | 504    |             | 25               | 13,568                | 498                   | 12,959 465 |
| STATES- 12,13,14,16,21,22,23,31,32,33,34,35,41,42,47,48,51,52,55,56,57,58,64,82,87,91,92,93 | 55   | NON-AI DAUGHTERS | 117  | 16,562      | 3.6                   | 604    |             | DIFF.            | 388                   | 6                     |            |
|   | 45   | WITH HERO-MATES  | 106  | 16,486      | 3.7                   | 602    |             | 24               | 15,121                | 561                   |            |
|   |      |                  |      |             |                       |        |             | DIFF.            | 1365                  | 41                    |            |
| 1155198 WOOD-JON AAGGIE CREATOR COUNT.....  |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 06-09-51 1016873 2705282  | 18   | NON-AI DAUGHTERS | 28   | 15,769      | 3.5                   | 551    |             |                  |                       |                       |            |
| STATES- 32,34,51  | 18   | WITH HERO-MATES  | 28   | 15,769      | 3.5                   | 551    |             | 11               | 13,619                | 504                   |            |
|   |      |                  |      |             |                       |        |             | DIFF.            | 2150                  | 47                    |            |
| 1155622 MALTESE TOPPER.....   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 10-20-49 906441 2766331   | 69   | AI DAUGHTERS-18  | 122  | 15,776      | 3.4                   | 538    |             |                  |                       |                       |            |
| AI STUO, 93-01 LISTED, 08-62  | 69   | WITH HERO-MATES  | 122  | 15,776      | 3.4                   | 538    |             | 66               | 15,370                | 553                   | 13,063 451 |
| STATES- 91,93   |      |                  |      |             |                       |        |             | DIFF.            | 406                   | 15-                   |            |
|   | 2    | NON-AI DAUGHTERS | 2    | 16,755      | 2.9                   | 493    |             |                  |                       |                       |            |
|   | 2    | WITH HERO-MATES  | 2    | 16,755      | 2.9                   | 493    |             | 27               | 14,455                | 525                   |            |
|   |      |                  |      |             |                       |        |             | DIFF.            | 2300                  | 32-                   |            |
| 1156044 ASH GROVE BELLE BETTINA.....  |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 08-23-51 769336 2588141   | 4    | AI DAUGHTERS-02  |      |             |                       |        |             |                  |                       |                       |            |
| AI STUO, 46-01 LISTED, 08-62  | 4    | WITH HERO-MATES  |      |             |                       |        |             |                  |                       |                       |            |
| STATES- 45,46   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
|   | 8    | NON-AI DAUGHTERS | 21   | 12,606      | 3.7                   | 467    |             |                  |                       |                       |            |
|   | 8    | WITH HERO-MATES  | 21   | 12,606      | 3.7                   | 467    |             | 11               | 12,888                | 464                   | 3          |
|   |      |                  |      |             |                       |        |             | DIFF.            | 282-                  |                       |            |
| 1156447 BROOK LODGE R A WONDER ADVANCE.....   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 02-26-51 928949 2434544   | 686  | AI DAUGHTERS-25* | 1416 | 13,241      | 3.8                   | 502    |             |                  |                       |                       |            |
| AI STUO, 23-02 LISTED, 05-64  | 681  | WITH HERO-MATES  | 1401 | 13,263      | 3.8                   | 503    |             | 12               | 13,026                | 480                   | 12,757 480 |
| STATES- 21,23,50,57   |      |                  |      |             |                       |        |             | DIFF.            | 237                   | 23                    |            |
|   | 9    | NON-AI DAUGHTERS | 22   | 10,781      | 3.8                   | 407    |             |                  |                       |                       |            |
|   | 9    | WITH HERO-MATES  | 22   | 10,781      | 3.8                   | 407    |             | 8                | 12,098                | 447                   |            |
|   |      |                  |      |             |                       |        |             | DIFF.            | 1317-                 | 40-                   |            |
| 1156557 ROCK VALLEY CASCADER BURKE.....   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 10-14-51 1026140 2656271  | 9    | NON-AI DAUGHTERS | 17   | 13,182      | 3.9                   | 513    |             |                  |                       |                       |            |
| STATES- 23,35   | 5    | WITH HERO-MATES  | 10   | 13,952      | 3.8                   | 537    |             | 2                | 12,845                | 490                   |            |
|   |      |                  |      |             |                       |        |             | DIFF.            | 1107                  | 47                    |            |
| 1156593 POLYTECHNIC GOVERNOR GETTIE.....  |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 08-25-51 878257 2281154   | 136  | AI DAUGHTERS-21  | 215  | 14,609      | 3.7                   | 545    |             |                  |                       |                       |            |
| AI STUO, 93-01 LISTED, 05-64  | 132  | WITH HERO-MATES  | 210  | 14,673      | 3.7                   | 546    |             | 69               | 15,860                | 554                   | 11,699 457 |
| STATES- 93  |      |                  |      |             |                       |        |             | DIFF.            | 1187-                 | 8-                    |            |
| 1156779 ZIMMERMAN BELL BOY.....   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 07-26-50 1080014 2708858  | 92   | AI DAUGHTERS-25* | 94   | 13,594      | 3.6                   | 496    |             |                  |                       |                       |            |
| AI STUO, 34-01 LISTED, 05-64  | 87   | WITH HERO-MATES  | 89   | 13,823      | 3.7                   | 505    |             | 13               | 13,204                | 480                   | 13,073 478 |
| STATES- 23,31,32,34,42,65   |      |                  |      |             |                       |        |             | DIFF.            | 619                   | 25                    |            |
|   | 23   | NON-AI DAUGHTERS | 32   | 13,969      | 3.7                   | 515    |             |                  |                       |                       |            |
|   | 22   | WITH HERO-MATES  | 31   | 14,023      | 3.7                   | 518    |             | 16               | 12,854                | 471                   |            |
|   |      |                  |      |             |                       |        |             | DIFF.            | 1169                  | 47                    |            |
| 1157094 CORNELL JOCKO AUTHOR.....   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 08-29-51 855351 2425363   | 33   | AI DAUGHTERS-23  | 83   | 11,963      | 3.5                   | 420    |             |                  |                       |                       |            |
| AI STUO, 21-01  | 20   | WITH HERO-MATES  | 60   | 12,396      | 3.6                   | 441    |             | 21               | 12,413                | 450                   | 12,457 449 |
| STATES- 13,16,21  |      |                  |      |             |                       |        |             | DIFF.            | 17-                   | 9-                    |            |
| 1157166 COCHRAN SOVEREIGN TROPHY.....   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 05-15-51 1007680 2729221  | 18   | NON-AI DAUGHTERS | 28   | 12,287      | 3.5                   | 435    |             |                  |                       |                       |            |
| STATES- 21,22   | 13   | WITH HERO-MATES  | 21   | 13,154      | 3.5                   | 466    |             | 4                | 13,168                | 471                   | 5-         |
|   |      |                  |      |             |                       |        |             | DIFF.            | 14-                   |                       |            |
| 1157416 THONYMA MAUDLENE BEETS.....   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 01-16-51 917165 2492834   | 54   | NON-AI DAUGHTERS | 103  | 11,785      | 3.9                   | 459    |             |                  |                       |                       |            |
| STATES- 48  | 54   | WITH HERO-MATES  | 103  | 11,785      | 3.9                   | 459    |             | 12               | 11,221                | 435                   |            |
|   |      |                  |      |             |                       |        |             | DIFF.            | 564                   | 24                    |            |
| 1157418 FAYNE SHIAMANA GRANOMASTER.....   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 01-20-51 831073 2807013   | 59   | NON-AI DAUGHTERS | 86   | 11,659      | 3.5                   | 413    |             |                  |                       |                       |            |
| STATES- 32,33,57  | 59   | WITH HERO-MATES  | 86   | 11,659      | 3.5                   | 413    |             | 25               | 10,983                | 386                   |            |
|   |      |                  |      |             |                       |        |             | DIFF.            | 676                   | 27                    |            |
| 1157446 WIS IDEAL CHIEF-TWIN.....   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
| 10-18-51 933122 2683287   | 4    | AI DAUGHTERS-04  |      |             |                       |        |             |                  |                       |                       |            |
| AI STUO, 63-01 LISTED, 05-64  | 4    | WITH HERO-MATES  |      |             |                       |        |             |                  |                       |                       |            |
| STATES- 35,61,63,65   |      |                  |      |             |                       |        |             |                  |                       |                       |            |
|   | 55   | NON-AI DAUGHTERS | 169  | 14,944      | 3.5                   | 521    |             |                  |                       |                       |            |
|   | 55   | WITH HERO-MATES  | 166  | 14,931      | 3.5                   | 520    |             | 14               | 15,327                | 543                   |            |
|   |      |                  |      |             |                       |        |             | DIFF.            | 396-                  | 23-                   |            |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN  |                     |  |  | AV. PRODUCTION OF          | ADJ. HERD-MATES | AV. PREDICTED |
|---|---------------------|--|--|----------------------------|-----------------|---------------|
|   |                     |  |  | RECORDS MILK TEST OAU. FAT | AV. MILK FAT    | MILK FAT      |
|   |                     |  |  | NUMBER L8 % L8             | NUMBER L8 L8    | L8 L8         |
| 1157986 DS8DRNDALE SIR TY VIC FD8ES.....          |                     |  |  |                            |                 |               |
| 05-31-51 934577 2664253 2879 AI DAUGHTERS-25*     |                     |  |  | 5204 13,330 3.8 504        |                 |               |
| AI STUD, 23-08 LISTED, 03-64 2796 WITH HERD-MATES |                     |  |  | 5064 13,346 3.8 504        | 14 13,086 499   | 12,789 464    |
| STATES- 16,21,22,23,50,51,52, 54,55,57            |                     |  |  |                            | DIFF. 260 5     |               |
|   | 53 NDN-AI DAUGHTERS |  |  | 161 11,513 3.7 424         |                 |               |
|   | 43 WITH HERD-MATES  |  |  | 147 11,674 3.7 431         | 13 11,646 425   |               |
|   |                     |  |  |                            | DIFF. 28 6      |               |
| 1158310 RUSTIC CLYDE HILL FAVDRITE.....           |                     |  |  |                            |                 |               |
| 05-12-51 1048340 2936220 46 AI DAUGHTERS-25*      |                     |  |  | 69 12,808 3.6 466          |                 |               |
| AI STUD, 41-25 LISTED, 05-64 46 WITH HERD-MATES   |                     |  |  | 69 12,808 3.6 466          | 11 12,904 469   | 12,429 453    |
| STATES- 31,32,34,42,43,55,71                      |                     |  |  |                            | DIFF. 96- 3-    |               |
|   | 21 NON-AI DAUGHTERS |  |  | 74 14,966 3.7 551          |                 |               |
|   | 21 WITH HERD-MATES  |  |  | 72 15,239 3.7 560          | 7 15,128 565    |               |
|   |                     |  |  |                            | DIFF. 111 5-    |               |
| 1158687 8RDWNS MASTER DARKY.....                  |                     |  |  |                            |                 |               |
| 05-20-45 010135583 010384087 38 NON-AI DAUGHTERS  |                     |  |  | 89 13,910 3.6 497          |                 |               |
| LISTED, 08-62 38 WITH HERD-MATES                  |                     |  |  | 87 13,790 3.6 492          | 15 14,352 521   |               |
| STATES- 21,31,32,51,55,56,72                      |                     |  |  |                            | DIFF. 562- 29-  |               |
| 1159161 PA8ST WALKER RE8RIGHT.....                |                     |  |  |                            |                 |               |
| 09-26-51 981360 2782411 1447 AI DAUGHTERS-25*     |                     |  |  | 2620 12,953 3.7 476        |                 |               |
| AI STUD, 23-02 LISTED, 05-64 1429 WITH HERD-MATES |                     |  |  | 2570 12,974 3.7 476        | 12 13,281 490   | 12,247 444    |
| STATES- 12,21,23,50,51,52,74                      |                     |  |  |                            | DIFF. 307- 14-  |               |
|   | 28 NON-AI DAUGHTERS |  |  | 66 13,053 3.8 500          |                 |               |
|   | 26 WITH HERD-MATES  |  |  | 63 12,976 3.8 497          | 10 12,615 470   |               |
|   |                     |  |  |                            | DIFF. 361 27    |               |
| 1159667 TEOS8RD TWENTY GRAND OUK.....             |                     |  |  |                            |                 |               |
| 07-08-51 906000 3093768 29 NDN-AI DAUGHTERS       |                     |  |  | 58 13,136 3.5 458          |                 |               |
| STATES- 32 21 WITH HERD-MATES                     |                     |  |  | 42 13,048 3.5 458          | 22 13,001 456   |               |
|   |                     |  |  |                            | DIFF. 47 2      |               |
| 1160109 .....                                     |                     |  |  |                            |                 |               |
|   | 5 NON-AI DAUGHTERS  |  |  | 5 12,306 3.4 423           |                 |               |
| STATES- 21 5 WITH HERD-MATES                      |                     |  |  | 5 12,306 3.4 423           | 18 10,875 395   |               |
|   |                     |  |  |                            | DIFF. 1431 28   |               |
| 1160414 CLYDE HILL FAVDRITE LAD.....              |                     |  |  |                            |                 |               |
| 09-30-51 813522 2450073 159 AI DAUGHTERS-25*      |                     |  |  | 361 13,092 3.8 504         |                 |               |
| AI STUD, 32-02 LISTED, 05-64 153 WITH HERD-MATES  |                     |  |  | 348 13,037 3.8 501         | 13 13,226 492   | 12,366 467    |
| STATES- 21,23,32,33,34,43,48, 55,56,57,65         |                     |  |  |                            | DIFF. 189- 9    |               |
| 1161335 .....                                     |                     |  |  |                            |                 |               |
|   | 36 NON-AI DAUGHTERS |  |  | 83 13,028 3.8 492          |                 |               |
| STATES- 21 31 WITH HERD-MATES                     |                     |  |  | 76 12,827 3.7 478          | 23 13,970 504   |               |
|   |                     |  |  |                            | DIFF. 1143- 26- |               |
| 1161772 .....                                     |                     |  |  |                            |                 |               |
|   | 5 NON-AI DAUGHTERS  |  |  | 8 9,523 3.8 360            |                 |               |
| STATES- 23,51 5 WITH HERD-MATES                   |                     |  |  | 8 9,523 3.8 360            | 3 11,478 424    |               |
|   |                     |  |  |                            | DIFF. 1955- 64- |               |
| 1162142 SLEEPY HOLLDW OUCE RICHARD.....           |                     |  |  |                            |                 |               |
| 05-17-51 1062647 2859172 33 NDN-AI DAUGHTERS      |                     |  |  | 79 14,917 3.9 578          |                 |               |
| LISTED, 03-64 33 WITH HERD-MATES                  |                     |  |  | 79 14,917 3.9 578          | 82 15,126 558   |               |
| STATES- 93  |                     |  |  |                            | DIFF. 209- 20   |               |
| 1162505 E8DNITE REGAL FD8ES PIE8E.....            |                     |  |  |                            |                 |               |
| 10-16-51 901195 2868032 35 AI DAUGHTERS-22        |                     |  |  | 70 12,501 3.7 466          |                 |               |
| AI STUD, 47-01 LISTED, 08-62 32 WITH HERD-MATES   |                     |  |  | 66 12,685 3.7 473          | 16 12,843 463   | 12,384 463    |
| STATES- 47,83                                     |                     |  |  |                            | DIFF. 158- 10   |               |
|   | 1 NDN-AI DAUGHTERS  |  |  | 1 13,850 3.5 482           |                 |               |
| 1162673 MDDIE PA8ST DRMS8Y.....                   |                     |  |  |                            |                 |               |
| 03-26-51 859213 2840688 10 NDN-AI DAUGHTERS       |                     |  |  | 11 16,556 3.6 598          |                 |               |
| LISTED, 11-63 10 WITH HERD-MATES                  |                     |  |  | 11 16,556 3.6 598          | 7 15,920 583    |               |
| STATES- 31  |                     |  |  |                            | DIFF. 636 15    |               |
| 1162981 .....                                     |                     |  |  |                            |                 |               |
|   | 7 NON-AI DAUGHTERS  |  |  | 7 18,081 4.0 718           |                 |               |
| STATES- 93 7 WITH HERD-MATES                      |                     |  |  | 7 18,081 4.0 718           | 24 17,590 694   |               |
|   |                     |  |  |                            | DIFF. 491 24    |               |
| 1163043 KENEVELYN SILVER ROCKET.....              |                     |  |  |                            |                 |               |
| 04-01-51 010212120 010760112 711 AI DAUGHTERS-25* |                     |  |  | 1084 13,697 4.1 556        |                 |               |
| AI STUD, 23-04 LISTED, 05-64 709 WITH HERD-MATES  |                     |  |  | 1077 13,706 4.1 556        | 16 13,763 518   | 12,542 498    |
| STATES- 21,23                                     |                     |  |  |                            | DIFF. 57- 38    |               |
|   | 34 NDN-AI DAUGHTERS |  |  | 140 12,634 4.1 517         |                 |               |
|   | 32 WITH HERD-MATES  |  |  | 125 12,526 4.1 513         | 8 12,528 477    |               |
|   |                     |  |  |                            | DIFF. 2- 36     |               |
| 1163330 FASHIDN DEAN RAG APPLE.....               |                     |  |  |                            |                 |               |
| 09-12-51 1111013 2362354 488 AI DAUGHTERS-25*     |                     |  |  | 794 12,557 3.6 451         |                 |               |
| AI STUD, 41-01 LISTED, 05-64 451 WITH HERD-MATES  |                     |  |  | 743 12,582 3.6 452         | 16 12,715 458   | 12,365 449    |
| STATES- 41,42,45,46,47,48,63, 73                  |                     |  |  |                            | DIFF. 133- 6-   |               |
|   | 52 NON-AI DAUGHTERS |  |  | 143 12,460 3.8 470         |                 |               |
|   | 44 WITH HERD-MATES  |  |  | 114 12,871 3.7 481         | 11 13,136 483   |               |
|   |                     |  |  |                            | DIFF. 265- 2-   |               |
| 1164179 .....                                     |                     |  |  |                            |                 |               |
|   | 15 NDN-AI DAUGHTERS |  |  | 17 14,330 3.6 515          |                 |               |
| STATES- 73 7 WITH HERD-MATES                      |                     |  |  | 7 16,321 3.6 591           | 14 16,116 556   |               |
|   |                     |  |  |                            | DIFF. 205 35    |               |
| 1165012 TEXAL LOCKHAVEN LUCIFER.....              |                     |  |  |                            |                 |               |
| 11-15-51 769170 2709080 11 AI DAUGHTERS-09        |                     |  |  | 11 11,962 3.8 455          |                 |               |
| AI STUD, 35-02 LISTED, 08-63 11 WITH HERD-MATES   |                     |  |  | 11 11,962 3.8 455          | 8 12,779 458    | 12,102 454    |
| STATES- 23,35,51                                  |                     |  |  |                            | DIFF. 817- 3-   |               |
|   | 39 NDN-AI DAUGHTERS |  |  | 97 14,474 3.9 570          |                 |               |
|   | 39 WITH HERD-MATES  |  |  | 97 14,474 3.9 570          | 16 13,747 521   |               |
|   |                     |  |  |                            | DIFF. 727 49    |               |





## SIRE OF OHIA DAUGHTERS

| HOLSTEIN  | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERO-MATES AV. |        |     | PREDICTED AV. |     |
|---|------------------------|--------|------|-----|---------------------|--------|-----|---------------|-----|
|   | RECORDS                | MILK   | TEST | FAT | NUMBER              | MILK   | FAT | MILK          | FAT |
|   | NUMBER                 | L8     | %    | L8  |                     | L8     | L8  | L8            | L8  |
| 1171797 RUSSINW000 ROBURKE KAPTAIN.....   |                        |        |      |     |                     |        |     |               |     |
| 12-16-51 1024453 2751944 1 AI DAUGHTERS-01  | 1                      | 10,990 | 3.4  | 375 |                     |        |     |               |     |
| AI STU0, 35-75 LISTED, 05-64 34 NON-AI DAUGHTERS  | 75                     | 13,641 | 3.5  | 481 |                     |        |     |               |     |
| STATES- 32,33,55,57,64,82 33 WITH HERD-MATES  | 74                     | 13,659 | 3.5  | 482 | 20                  | 14,187 | 514 |               |     |
|   |                        |        |      |     | OIFF.               | 528-   | 32- |               |     |
| 1172369 BOILING SPRINGS PATSY LUCIFER.....  |                        |        |      |     |                     |        |     |               |     |
| 11-03-51 769170 2870951 13 NON-AI DAUGHTERS   | 20                     | 13,226 | 3.8  | 497 |                     |        |     |               |     |
| LISTED, 11-63 13 WITH HERD-MATES  | 20                     | 13,226 | 3.8  | 497 | 43                  | 12,933 | 461 |               |     |
| STATES- 23,52,87  |                        |        |      |     | OIFF.               | 293    | 36  |               |     |
| 1172396 GRAY VIEW PIONN PETO-TWIN.....  |                        |        |      |     |                     |        |     |               |     |
| 09-13-51 1094305 2838656 184 AI DAUGHTERS-25*   | 191                    | 13,217 | 3.6  | 476 |                     |        |     |               |     |
| AI STU0, 87-01 LISTED, 05-64 179 WITH HERD-MATES  | 186                    | 13,241 | 3.6  | 476 | 17                  | 13,741 | 492 | 12,124        | 444 |
| STATES- 35,47,81,82,83,87   |                        |        |      |     | OIFF.               | 500-   | 16- |               |     |
|   | 25                     | 12,794 | 3.7  | 469 |                     |        |     |               |     |
|   | 25                     | 12,794 | 3.7  | 469 | 11                  | 13,389 | 484 |               |     |
|   |                        |        |      |     | OIFF.               | 595-   | 15- |               |     |
| 1172655 .....   |                        |        |      |     |                     |        |     |               |     |
| STATES- 91 8 NON-AI DAUGHTERS   | 8                      | 13,328 | 3.6  | 486 |                     |        |     |               |     |
|   | 8                      | 13,328 | 3.6  | 486 | 7                   | 13,967 | 498 |               |     |
|   |                        |        |      |     | OIFF.               | 639-   | 12- |               |     |
| 1172862 VAN BAVELS CRUSAOR.....   |                        |        |      |     |                     |        |     |               |     |
| 03-21-52 854184 2715972 216 AI DAUGHTERS-25*  | 431                    | 12,706 | 3.7  | 471 |                     |        |     |               |     |
| AI STU0, 92-01 LISTED, 05-64 186 WITH HERD-MATES  | 386                    | 12,756 | 3.7  | 472 | 19                  | 13,037 | 477 | 12,263        | 452 |
| STATES- 12,91,92  |                        |        |      |     | OIFF.               | 281-   | 5-  |               |     |
| 1173438 NOWISCO JESS.....   |                        |        |      |     |                     |        |     |               |     |
| 09-18-51 984796 2993912 33 NON-AI DAUGHTERS   | 49                     | 11,923 | 4.2  | 502 |                     |        |     |               |     |
| LISTED, 08-63 33 WITH HERD-MATES  | 49                     | 11,923 | 4.2  | 502 | 28                  | 13,294 | 507 |               |     |
| STATES- 35,41   |                        |        |      |     | DIFF.               | 1371-  | 5-  |               |     |
| 1173693 PABST WALKER BURKE SENOR.....   |                        |        |      |     |                     |        |     |               |     |
| 03-18-52 981360 2584136 12 NON-AI DAUGHTERS   | 13                     | 15,014 | 3.4  | 509 |                     |        |     |               |     |
| LISTED, 05-64 12 WITH HERD-MATES  | 13                     | 15,014 | 3.4  | 509 | 237                 | 15,698 | 545 |               |     |
| STATES- 85  |                        |        |      |     | OIFF.               | 684-   | 36- |               |     |
| 1174118 8 0 I AUGOV00 HECTOR.....   |                        |        |      |     |                     |        |     |               |     |
| 10-02-51 741318 2856955 312 AI DAUGHTERS-25*  | 381                    | 12,425 | 3.7  | 463 |                     |        |     |               |     |
| AI STU0, 41-01 LISTED, 05-64 287 WITH HERD-MATES  | 354                    | 12,456 | 3.7  | 465 | 17                  | 12,791 | 462 | 12,183        | 459 |
| STATES- 41,42,45,46,51,52,81, 87  |                        |        |      |     | OIFF.               | 335-   | 3   |               |     |
|   | 29                     | 13,301 | 3.9  | 523 |                     |        |     |               |     |
|   | 23                     | 13,174 | 3.9  | 515 | 19                  | 13,512 | 505 |               |     |
|   |                        |        |      |     | OIFF.               | 338-   | 10  |               |     |
| 1174735 HENDERBERGS CARNATION PRINCE.....   |                        |        |      |     |                     |        |     |               |     |
| 04-08-52 1016190 2611491 10 NON-AI DAUGHTERS  | 11                     | 13,555 | 3.7  | 508 |                     |        |     |               |     |
| LISTED, 05-64 10 WITH HERD-MATES  | 11                     | 13,555 | 3.7  | 508 | 25                  | 13,438 | 489 |               |     |
| STATES- 21  |                        |        |      |     | OIFF.               | 117    | 19  |               |     |
| 1174788 FRAN-WILL ADMIRAL LUCIFER.....  |                        |        |      |     |                     |        |     |               |     |
| 02-24-52 769170 2703929 239 AI DAUGHTERS-25*  | 356                    | 14,195 | 3.6  | 518 |                     |        |     |               |     |
| AI STU0, 31-01 LISTED, 05-64 238 WITH HERD-MATES  | 355                    | 14,211 | 3.7  | 519 | 31                  | 14,802 | 545 | 12,131        | 439 |
| STATES- 23,31,55,74,84  |                        |        |      |     | OIFF.               | 591-   | 26- |               |     |
|   | 2                      | 18,238 | 3.3  | 608 |                     |        |     |               |     |
|   | 2                      | 18,238 | 3.3  | 608 | 67                  | 15,986 | 572 |               |     |
|   |                        |        |      |     | OIFF.               | 2252   | 36  |               |     |
| 1175060 WILBEN RAG APPLE TYLVER TY VIC.....   |                        |        |      |     |                     |        |     |               |     |
| 01-17-52 923749 2838869 17 NON-AI DAUGHTERS   | 30                     | 10,880 | 3.7  | 398 |                     |        |     |               |     |
| STATES- 33 17 WITH HERD-MATES   | 30                     | 10,880 | 3.7  | 398 | 14                  | 12,718 | 470 |               |     |
|   |                        |        |      |     | OIFF.               | 1838-  | 72- |               |     |
| 1175509 MOOSEHEART NOBLE-TWIN.....  |                        |        |      |     |                     |        |     |               |     |
| 03-02-52 1024453 2811265 407 AI DAUGHTERS-25*   | 506                    | 12,534 | 3.9  | 484 |                     |        |     |               |     |
| AI STU0, 33-03 LISTED, 05-64 399 WITH HERD-MATES  | 495                    | 12,548 | 3.9  | 485 | 18                  | 13,189 | 483 | 11,919        | 460 |
| STATES- 11,12,13,14,15,16,21, 22,23,31,32,33,34,35,41,42,43, 47,48,50,51,52,54,55,57,61,63, 71,74,84,87,91,92 |                        |        |      |     | OIFF.               | 641-   | 2   |               |     |
|   | 31                     | 12,795 | 3.9  | 493 |                     |        |     |               |     |
|   | 30                     | 12,860 | 3.8  | 493 | 16                  | 12,827 | 474 |               |     |
|   |                        |        |      |     | OIFF.               | 33     | 19  |               |     |
| 1175534 RAINBOW CLOYE HILL BOLO.....  |                        |        |      |     |                     |        |     |               |     |
| 03-18-52 1048340 3009461 32 NON-AI DAUGHTERS  | 101                    | 11,443 | 3.4  | 392 |                     |        |     |               |     |
| STATES- 34 30 WITH HERD-MATES   | 99                     | 11,752 | 3.4  | 403 | 10                  | 12,436 | 439 |               |     |
|   |                        |        |      |     | OIFF.               | 684-   | 36- |               |     |
| 1175701 GLOVER ADMIRAL GENERAL-TWIN.....  |                        |        |      |     |                     |        |     |               |     |
| 07-16-51 949223 2054730 16 AI DAUGHTERS-05  | 29                     | 11,221 | 3.4  | 385 |                     |        |     |               |     |
| AI STU0, 94-01 LISTED, 05-64 15 WITH HERD-MATES   | 28                     | 11,043 | 3.4  | 379 | 15                  | 11,026 | 388 | 12,401        | 446 |
| STATES- 35,94   |                        |        |      |     | DIFF.               | 17     | 9-  |               |     |
| 1175724 RAG APPLE ABBEKERK JOVE.....  |                        |        |      |     |                     |        |     |               |     |
| 09-04-50 010186376 010470563 27 NON-AI DAUGHTERS  | 44                     | 14,525 | 3.6  | 521 |                     |        |     |               |     |
| STATES- 12,13,21,22,23,52 11 WITH HERD-MATES  | 23                     | 14,242 | 3.5  | 502 | 16                  | 14,070 | 516 |               |     |
|   |                        |        |      |     | OIFF.               | 172    | 14- |               |     |
| 1175940 F08ES INKA SENSATION.....   |                        |        |      |     |                     |        |     |               |     |
| 04-19-52 1058061 3182129 5 NON-AI DAUGHTERS   | 11                     | 12,544 | 3.5  | 437 |                     |        |     |               |     |
| LISTED, 05-64 5 WITH HERD-MATES   | 11                     | 12,544 | 3.5  | 437 | 17                  | 11,069 | 406 |               |     |
| STATES- 21  |                        |        |      |     | OIFF.               | 1475   | 31  |               |     |
| 1176736 BOLLMAN BURKE M-O-W-TWIN.....   |                        |        |      |     |                     |        |     |               |     |
| 01-11-52 1001304 2305804 24 NON-AI DAUGHTERS  | 48                     | 12,923 | 3.6  | 466 |                     |        |     |               |     |
| STATES- 31,34,43,48,64,73 24 WITH HERD-MATES  | 46                     | 12,826 | 3.6  | 463 | 17                  | 12,328 | 436 |               |     |
|   |                        |        |      |     | DIFF.               | 498    | 27  |               |     |
| 1176853 FDR-MAR LOCHINVAR CHIEFTAIN.....  |                        |        |      |     |                     |        |     |               |     |
| 04-20-52 1037016 2423013 78 AI DAUGHTERS-25*  | 79                     | 13,762 | 3.4  | 468 |                     |        |     |               |     |
| AI STU0, 34-01 LISTED, 05-64 78 WITH HERD-MATES   | 79                     | 13,762 | 3.4  | 468 | 21                  | 13,332 | 486 | 12,915        | 442 |
| STATES- 34  |                        |        |      |     | OIFF.               | 430    | 18- |               |     |
|   | 22                     | 15,213 | 3.3  | 503 |                     |        |     |               |     |
|   | 21                     | 15,081 | 3.3  | 501 | 6                   | 13,981 | 490 |               |     |
|   |                        |        |      |     | OIFF.               | 1100   | 11  |               |     |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                       |                                     |      |                  |      | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. PREDICTED AV. |     |       |        |      |            |
|--------------------------------|-------------------------------------|------|------------------|------|------------------------|-----------------------------------|-----|-------|--------|------|------------|
|                                |                                     |      |                  |      | RECORDS MILK TEST FAT  | AV. MILK FAT                      |     |       |        |      |            |
|                                |                                     |      |                  |      | NUMBER LB % LB         | NUMBER LB LB                      |     |       |        |      |            |
| 1177243                        | WORDEN DOUBLE 80LO.....             |      |                  |      |                        |                                   |     |       |        |      |            |
| D7-D2-51                       | 934021 3065027                      | 6    | NON-AI DAUGHTERS | 7    | 16,738                 | 3.3                               | 559 |       |        |      |            |
|                                | LISTED, D5-64                       | 6    | WITH HERD-MATES  | 6    | 17,027                 | 3.3                               | 561 | 19    | 14,706 | 503  |            |
| STATES- 34                     |                                     |      |                  |      |                        |                                   |     | DIFF. | 2321   | 58   |            |
| 1177318                        | POSCH CARNATION MONDGRAM.....       |      |                  |      |                        |                                   |     |       |        |      |            |
| 02-28-52                       | 904891 3660793                      | 5    | NON-AI DAUGHTERS | 5    | 12,706                 | 3.4                               | 429 | 30    | 13,334 | 465  |            |
|                                | LISTED, D5-64                       | 5    | WITH HERD-MATES  | 5    | 12,706                 | 3.4                               | 429 | DIFF. | 628-   | 36-  |            |
| STATES- 21                     |                                     |      |                  |      |                        |                                   |     |       |        |      |            |
| 1177476                        | .....                               |      |                  |      |                        |                                   |     |       |        |      |            |
|                                |                                     | 5    | NON-AI DAUGHTERS | 19   | 12,015                 | 3.9                               | 469 |       |        |      |            |
| STATES- 33                     |                                     | 5    | WITH HERD-MATES  | 18   | 11,982                 | 3.9                               | 467 | 7     | 12,963 | 477  |            |
|                                |                                     |      |                  |      |                        |                                   |     | DIFF. | 981-   | 10-  |            |
| 1178235                        | CARNATION STAND-DUT HEILD.....      |      |                  |      |                        |                                   |     |       |        |      |            |
| D1-D9-52                       | 943802 2638045                      | 366  | AI DAUGHTERS-25* | 570  | 13,492                 | 3.7                               | 501 |       |        |      |            |
| AI STUD, 35-D2                 | LISTED, D5-64                       | 335  | WITH HERD-MATES  | 529  | 13,522                 | 3.7                               | 502 | 15    | 13,466 | 490  | 12,620 469 |
| STATES- 22,23,34,35,63,74,91   |                                     |      |                  |      |                        |                                   |     | DIFF. | 56     | 12   |            |
| 1178318                        | TIDY IDEAL BURKE MASTER.....        |      |                  |      |                        |                                   |     |       |        |      |            |
| 01-29-52                       | 1013415 2344506                     | 184  | AI DAUGHTERS-24  | 288  | 15,313                 | 3.6                               | 553 |       |        |      |            |
| AI STUD, 93-D1                 | LISTED, D5-64                       | 159  | WITH HERD-MATES  | 252  | 15,573                 | 3.6                               | 562 | 68    | 15,675 | 552  | 12,672 473 |
| STATES- 86,93                  |                                     |      |                  |      |                        |                                   |     | DIFF. | 102-   | 10   |            |
|                                |                                     | 9    | NON-AI DAUGHTERS | 20   | 12,650                 | 3.7                               | 472 |       |        |      |            |
|                                |                                     | 9    | WITH HERD-MATES  | 20   | 12,650                 | 3.7                               | 472 | 37    | 14,036 | 522  |            |
|                                |                                     |      |                  |      |                        |                                   |     | DIFF. | 1386-  | 50-  |            |
| 1178325                        | .....                               |      |                  |      |                        |                                   |     |       |        |      |            |
|                                |                                     | 5    | AI DAUGHTERS-D4  | 10   | 14,571                 | 3.8                               | 549 |       |        |      |            |
| AI STUD, 93-D4                 |                                     | 5    | WITH HERD-MATES  | 10   | 14,571                 | 3.8                               | 549 | 24    | 13,087 | 490  | 12,919 473 |
| STATES- 87,93                  |                                     |      |                  |      |                        |                                   |     | DIFF. | 1484   | 59   |            |
| 1178343                        | LDS ROBLES PEPPER PRINCE.....       |      |                  |      |                        |                                   |     |       |        |      |            |
| D2-25-52                       | 892265 2523831                      | 319  | AI DAUGHTERS-25* | 511  | 12,810                 | 3.7                               | 468 |       |        |      |            |
| AI STUD, 48-D1                 | LISTED, D8-63                       | 289  | WITH HERD-MATES  | 462  | 12,841                 | 3.6                               | 468 | 18    | 12,758 | 468  | 12,579 456 |
| STATES- 41,43,48,63,73         |                                     |      |                  |      |                        |                                   |     | DIFF. | 83     |      |            |
|                                |                                     | 12   | NON-AI DAUGHTERS | 26   | 15,526                 | 3.5                               | 544 |       |        |      |            |
|                                |                                     | 8    | WITH HERD-MATES  | 20   | 14,659                 | 3.5                               | 510 | 10    | 13,353 | 486  |            |
|                                |                                     |      |                  |      |                        |                                   |     | DIFF. | 1306   | 24   |            |
| 1178679                        | MEADOWFARM BESS FOBES.....          |      |                  |      |                        |                                   |     |       |        |      |            |
| 02-D6-52                       | 860768 2567672                      | 29   | NON-AI DAUGHTERS | 66   | 14,595                 | 3.7                               | 547 |       |        |      |            |
|                                | LISTED, D8-62                       | 26   | WITH HERD-MATES  | 63   | 14,775                 | 3.7                               | 554 | 27    | 13,766 | 518  |            |
| STATES- 51,52,55               |                                     |      |                  |      |                        |                                   |     | DIFF. | 1009   | 36   |            |
| 1178738                        | CHRISTY HOMESTEAD CONSUMMATION..... |      |                  |      |                        |                                   |     |       |        |      |            |
| D2-27-51                       | 1001768 1678472                     | 39   | NON-AI DAUGHTERS | 57   | 15,545                 | 3.6                               | 554 |       |        |      |            |
|                                | LISTED, D8-63                       | 39   | WITH HERD-MATES  | 57   | 15,545                 | 3.6                               | 554 | 24    | 14,337 | 525  |            |
| STATES- 35                     |                                     |      |                  |      |                        |                                   |     | DIFF. | 1208   | 29   |            |
| 1178849                        | MISHVILLA ROMEOELL ROMEO DITTO..... |      |                  |      |                        |                                   |     |       |        |      |            |
| 10-21-51                       | 975137 2033904                      | 102  | AI DAUGHTERS-25* | 142  | 13,282                 | 3.7                               | 487 |       |        |      |            |
| AI STUD, 35-75                 | LISTED, D8-63                       | 96   | WITH HERD-MATES  | 135  | 13,363                 | 3.7                               | 488 | 26    | 13,424 | 490  | 12,501 456 |
| STATES- 13,21,22,23,31,32,33,  |                                     |      |                  |      |                        |                                   |     | DIFF. | 61-    | 2-   |            |
| 34,35,41,42,48,51,52,55,61,64, |                                     | 23   | NON-AI DAUGHTERS | 58   | 14,153                 | 3.5                               | 500 |       |        |      |            |
| 74,82,86,87,91,92,93           |                                     | 22   | WITH HERD-MATES  | 52   | 14,296                 | 3.5                               | 507 | 11    | 13,899 | 507  |            |
|                                |                                     |      |                  |      |                        |                                   |     | DIFF. | 397    |      |            |
| 1179372                        | WIS INSIGNIA.....                   |      |                  |      |                        |                                   |     |       |        |      |            |
| D4-26-52                       | 933122 2269236                      | 1661 | AI DAUGHTERS-25* | 1942 | 14,376                 | 3.7                               | 527 |       |        |      |            |
| AI STUD, 35-75                 | LISTED, D5-64                       | 1636 | WITH HERD-MATES  | 1910 | 14,382                 | 3.7                               | 527 | 21    | 13,725 | 502  | 13,245 485 |
| STATES- 12,13,14,16,21,22,23,  |                                     |      |                  |      |                        |                                   |     | DIFF. | 657    | 25   |            |
| 31,32,33,34,35,41,42,43,46,47, |                                     | 51   | NON-AI DAUGHTERS | 139  | 14,506                 | 3.7                               | 541 |       |        |      |            |
| 48,51,52,55,57,73,74,82,84,87, |                                     | 51   | WITH HERD-MATES  | 126  | 14,486                 | 3.7                               | 540 | 14    | 13,896 | 512  |            |
| 91,92,93                       |                                     |      |                  |      |                        |                                   |     | DIFF. | 590    | 28   |            |
| 1179373                        | WIS SUPREME CRUSADER.....           |      |                  |      |                        |                                   |     |       |        |      |            |
| D5-D8-52                       | 1046284 2252406                     | 1216 | AI DAUGHTERS-25* | 1922 | 13,536                 | 3.7                               | 495 |       |        |      |            |
| AI STUD, 33-D3                 | LISTED, D5-64                       | 1156 | WITH HERD-MATES  | 1831 | 13,583                 | 3.7                               | 497 | 17    | 13,275 | 488  | 12,851 467 |
| STATES- 11,12,13,14,15,16,21,  |                                     |      |                  |      |                        |                                   |     | DIFF. | 308    | 9    |            |
| 22,23,31,32,33,34,35,41,42,43, |                                     | 22   | NON-AI DAUGHTERS | 81   | 13,357                 | 3.7                               | 493 |       |        |      |            |
| 45,46,47,48,50,51,52,54,55,57, |                                     | 21   | WITH HERD-MATES  | 78   | 13,459                 | 3.7                               | 498 | 8     | 12,581 | 472  |            |
| 61,63,71,82,84,87,91,92,93     |                                     |      |                  |      |                        |                                   |     | DIFF. | 878    | 26   |            |
| 1179529                        | CEYDERMEAD MONOGRAM JUPITER.....    |      |                  |      |                        |                                   |     |       |        |      |            |
| D5-D3-52                       | 929161 2392096                      | 34   | NON-AI DAUGHTERS | 66   | 11,932                 | 3.8                               | 453 |       |        |      |            |
| STATES- 21                     |                                     | 28   | WITH HERD-MATES  | 58   | 12,377                 | 3.8                               | 470 | 13    | 13,277 | 487  |            |
|                                |                                     |      |                  |      |                        |                                   |     | DIFF. | 900-   | 17-  |            |
| 1179574                        | CURTISS CANDY FLASHY CURTISS.....   |      |                  |      |                        |                                   |     |       |        |      |            |
| D4-12-52                       | 1056882 2526666                     | 873  | AI DAUGHTERS-25* | 1783 | 12,405                 | 3.8                               | 477 |       |        |      |            |
| AI STUD, 33-D3                 | LISTED, D5-64                       | 813  | WITH HERD-MATES  | 1694 | 12,414                 | 3.9                               | 479 | 15    | 12,887 | 474  | 12,049 462 |
| STATES- 11,12,13,14,16,21,22,  |                                     |      |                  |      |                        |                                   |     | DIFF. | 473-   | 5    |            |
| 23,31,32,33,34,35,41,42,43,45, |                                     | 1    | NON-AI DAUGHTERS | 1    | 10,470                 | 3.6                               | 380 |       |        |      |            |
| 46,47,48,50,51,52,54,55,57,64, |                                     | 1    | WITH HERD-MATES  | 1    | 10,470                 | 3.6                               | 380 | 1     | 13,933 | 495  |            |
| 71,72,73,74,82,86,87,91,92,93  |                                     |      |                  |      |                        |                                   |     | DIFF. | 3463-  | 115- |            |
| 1180202                        | MARSH SENATOR ACE.....              |      |                  |      |                        |                                   |     |       |        |      |            |
| 09-27-51                       | 845846 3105605                      | 1    | AI DAUGHTERS-D1  |      |                        |                                   |     |       |        |      |            |
| AI STUD, 87-D1                 | LISTED, D5-64                       | 1    | WITH HERD-MATES  |      |                        |                                   |     |       |        |      |            |
| STATES- 32,87                  |                                     |      |                  |      |                        |                                   |     |       |        |      |            |
|                                |                                     | 39   | NON-AI DAUGHTERS | 86   | 13,475                 | 3.7                               | 502 |       |        |      |            |
|                                |                                     | 39   | WITH HERD-MATES  | 81   | 13,494                 | 3.7                               | 502 | 12    | 13,479 | 511  |            |
|                                |                                     |      |                  |      |                        |                                   |     | DIFF. | 15     | 9-   |            |
| 1180488                        | .....                               |      |                  |      |                        |                                   |     |       |        |      |            |
|                                |                                     | 1    | AI DAUGHTERS-D1  |      |                        |                                   |     |       |        |      |            |
| AI STUD, 21-D1                 |                                     | 1    | WITH HERD-MATES  |      |                        |                                   |     |       |        |      |            |
| STATES- 13,21,51,55            |                                     |      |                  |      |                        |                                   |     |       |        |      |            |
|                                |                                     | 109  | NON-AI DAUGHTERS | 224  | 13,343                 | 3.8                               | 504 |       |        |      |            |
|                                |                                     | 102  | WITH HERD-MATES  | 212  | 13,547                 | 3.8                               | 512 | 38    | 13,287 | 497  |            |
|                                |                                     |      |                  |      |                        |                                   |     | DIFF. | 260    | 15   |            |



## SIREs OF DHIA DAUGHTERS

| HDLSTEIN   | AV. PRDUCTION OF | AV. MILK | TEST | FAU. | AV. MILK | HERO-MATES | AV. MILK | FAT | PREOICTED AV. |
|--|------------------|----------|------|------|----------|------------|----------|-----|---------------|
|  | RECDROS          | L8       | %    | FAT  | L8       | NUMBER     | L8       | L8  | MILK FAT      |
|  | NUMBER           |          |      | L8   |          |            |          |     | L8 L8         |
| 1180631 WINTERHUR ZEUS AGNI HOPE.....            |                  |          |      |      |          |            |          |     |               |
| 02-14-52 931354 2259885 17 NDN-AI DAUGHTERS      | 46               | 11,531   | 3.7  | 432  |          |            |          |     |               |
| STATES- 21,23,55 13 WITH HERD-MATES              | 42               | 11,744   | 3.7  | 439  |          | 16         | 12,784   | 471 |               |
|  |                  |          |      |      |          | DIFF.      | 1040-    | 32- |               |
| 1180758 FOREST RIDGE CYRUS DEAN.....             |                  |          |      |      |          |            |          |     |               |
| 03-15-52 761977 2932443 429 AI DAUGHTERS-25*     | 661              | 12,710   | 3.8  | 477  |          |            |          |     |               |
| AI STUD, 21-01 LISTED, 05-64 401 WITH HERD-MATES | 624              | 12,783   | 3.8  | 481  |          | 21         | 13,407   | 485 | 11,957 454    |
| STATES- 13,14,21,23,51                           |                  |          |      |      |          | DIFF.      | 624-     | 4-  |               |
| 1181395 .....                                    |                  |          |      |      |          |            |          |     |               |
| STATES- 33,35,41,47 26 NDN-AI DAUGHTERS          | 77               | 12,910   | 3.6  | 470  |          |            |          |     |               |
| 25 WITH HERD-MATES                               | 76               | 12,921   | 3.7  | 473  |          | 8          | 12,071   | 436 |               |
|  |                  |          |      |      |          | DIFF.      | 850      | 37  |               |
| 1181539 KING WIMBLEDDN F08ES.....                |                  |          |      |      |          |            |          |     |               |
| 08-15-49 888247 2425912 11 NDN-AI DAUGHTERS      | 17               | 12,039   | 3.6  | 429  |          |            |          |     |               |
| STATES- 51,52 8 WITH HERD-MATES                  | 12               | 11,781   | 3.5  | 410  |          | 29         | 12,382   | 431 |               |
|  |                  |          |      |      |          | DIFF.      | 601-     | 21- |               |
| 1181572 DIAMOND S SIR BEAUTY 8A PIETF.....       |                  |          |      |      |          |            |          |     |               |
| 01-08-52 834043 2682027 16 AI DAUGHTERS-11       | 16               | 13,960   | 3.5  | 489  |          |            |          |     |               |
| AI STUD, 35-75 LISTED, 05-64 16 WITH HERD-MATES  | 16               | 13,960   | 3.5  | 489  |          | 82         | 13,861   | 505 | 12,607 449    |
| STATES- 23,82,85,86,91,93                        |                  |          |      |      |          | DIFF.      | 99       | 16- |               |
|  |                  |          |      |      |          |            |          |     |               |
| 19 NDN-AI DAUGHTERS                              | 20               | 15,417   | 3.6  | 560  |          |            |          |     |               |
| 18 WITH HERD-MATES                               | 19               | 15,531   | 3.6  | 565  |          | 36         | 15,507   | 558 |               |
|  |                  |          |      |      |          | DIFF.      | 24       | 7   |               |
| 1181894 ROCKET PABST PIETERTJE.....              |                  |          |      |      |          |            |          |     |               |
| 01-11-52 1066930 2561074 17 NDN-AI DAUGHTERS     | 37               | 13,985   | 3.4  | 471  |          |            |          |     |               |
| STATES- 34 16 WITH HERD-MATES                    | 36               | 14,357   | 3.4  | 482  |          | 7          | 14,376   | 501 |               |
|  |                  |          |      |      |          | DIFF.      | 19-      | 19- |               |
| 1181985 .....                                    |                  |          |      |      |          |            |          |     |               |
| STATES- 23,42 5 NDN-AI DAUGHTERS                 | 21               | 13,129   | 3.9  | 518  |          |            |          |     |               |
| 5 WITH HERD-MATES                                | 21               | 13,129   | 3.9  | 518  |          | 9          | 13,810   | 514 |               |
|  |                  |          |      |      |          | DIFF.      | 681-     | 4   |               |
| 1182140 GLDVER ROCKET.....                       |                  |          |      |      |          |            |          |     |               |
| 11-20-51 1146484 3109730 21 NDN-AI DAUGHTERS     | 53               | 12,649   | 3.5  | 449  |          |            |          |     |               |
| LISTED, 08-62 21 WITH HERD-MATES                 | 53               | 12,649   | 3.5  | 449  |          | 12         | 11,944   | 434 |               |
| STATES- 35,43                                    |                  |          |      |      |          | DIFF.      | 705      | 15  |               |
| 1182160 .....                                    |                  |          |      |      |          |            |          |     |               |
| STATES- 93 5 NDN-AI DAUGHTERS                    | 5                | 11,756   | 3.8  | 445  |          |            |          |     |               |
| 5 WITH HERD-MATES                                | 5                | 11,756   | 3.8  | 445  |          | 77         | 12,946   | 489 |               |
|  |                  |          |      |      |          | DIFF.      | 1190-    | 44- |               |
| 1182301 HICKORY CREEK LAD ECHD -TWIN.....        |                  |          |      |      |          |            |          |     |               |
| 08-14-51 933055 2306201 81 AI DAUGHTERS-25*      | 94               | 11,892   | 3.7  | 445  |          |            |          |     |               |
| AI STUD, 33-02 LISTED, 05-64 80 WITH HERD-MATES  | 93               | 11,848   | 3.7  | 443  |          | 18         | 12,712   | 475 | 11,749 429    |
| STATES- 33                                       |                  |          |      |      |          | DIFF.      | 864-     | 32- |               |
| 1182359 CORNMANS LAUXMONT DEAN.....              |                  |          |      |      |          |            |          |     |               |
| 01-27-52 769170 2939718 15 AI DAUGHTERS-11       | 15               | 12,284   | 3.9  | 479  |          |            |          |     |               |
| AI STUD, 63-01 LISTED, 05-64 14 WITH HERD-MATES  | 14               | 12,534   | 3.9  | 487  |          | 15         | 12,731   | 487 | 12,380 457    |
| STATES- 23,63                                    |                  |          |      |      |          | DIFF.      | 197-     |     |               |
|  |                  |          |      |      |          |            |          |     |               |
| 37 NDN-AI DAUGHTERS                              | 113              | 12,094   | 3.7  | 453  |          |            |          |     |               |
| 36 WITH HERD-MATES                               | 108              | 12,036   | 3.7  | 451  |          | 11         | 12,476   | 467 |               |
|  |                  |          |      |      |          | DIFF.      | 440-     | 16- |               |
| 1182629 SHAW GOLDEN TIDY DAUNTLESS.....          |                  |          |      |      |          |            |          |     |               |
| 05-10-52 892522 1843592 560 AI DAUGHTERS-25*     | 1319             | 12,691   | 3.7  | 470  |          |            |          |     |               |
| AI STUD, 23-07 LISTED, 03-64 556 WITH HERD-MATES | 1313             | 12,710   | 3.7  | 471  |          | 15         | 12,931   | 481 | 12,301 448    |
| STATES- 23,31,33,56                              |                  |          |      |      |          | DIFF.      | 221-     | 10- |               |
| 1182657 ZIMMERMAN PANSTAR MARK.....              |                  |          |      |      |          |            |          |     |               |
| 10-01-51 1009371 3111158 18 AI DAUGHTERS-07      | 18               | 14,219   | 3.9  | 561  |          |            |          |     |               |
| AI STUD, 23-01 LISTED, 05-64 18 WITH HERD-MATES  | 18               | 14,219   | 3.9  | 561  |          | 13         | 13,768   | 550 | 12,820 467    |
| STATES- 21,23                                    |                  |          |      |      |          | DIFF.      | 451      | 11  |               |
|  |                  |          |      |      |          |            |          |     |               |
| 24 NDN-AI DAUGHTERS                              | 75               | 16,078   | 3.8  | 619  |          |            |          |     |               |
| 21 WITH HERD-MATES                               | 64               | 16,537   | 3.8  | 635  |          | 6          | 15,490   | 580 |               |
|  |                  |          |      |      |          | DIFF.      | 1047     | 55  |               |
| 1182658 ZIMMERMAN PANSTAR DELLA.....             |                  |          |      |      |          |            |          |     |               |
| 10-03-51 1009371 2337283 9 NDN-AI DAUGHTERS      | 11               | 11,071   | 3.7  | 410  |          |            |          |     |               |
| LISTED, 08-62 5 WITH HERD-MATES                  | 5                | 10,906   | 3.6  | 392  |          | 5          | 10,483   | 377 |               |
| STATES- 54                                       |                  |          |      |      |          | DIFF.      | 423      | 15  |               |
| 1182696 AT8ITH T V RAG APPLE JIM.....            |                  |          |      |      |          |            |          |     |               |
| 12-14-51 923749 2790993 653 AI DAUGHTERS-25*     | 1324             | 13,820   | 3.8  | 523  |          |            |          |     |               |
| AI STUD, 31-01 LISTED, 05-64 622 WITH HERD-MATES | 1265             | 13,901   | 3.8  | 526  |          | 17         | 12,895   | 483 | 13,498 500    |
| STATES- 32,33,35,54,55,57,63, 74                 |                  |          |      |      |          | DIFF.      | 1006     | 43  |               |
|  |                  |          |      |      |          |            |          |     |               |
| 1 NDN-AI DAUGHTERS                               | 2                | 12,575   | 3.6  | 455  |          |            |          |     |               |
| 1 WITH HERD-MATES                                | 2                | 12,575   | 3.6  | 455  |          | 14         | 12,505   | 446 |               |
|  |                  |          |      |      |          | DIFF.      | 70       | 9   |               |
| 1182743 .....                                    |                  |          |      |      |          |            |          |     |               |
| STATES- 31 7 NDN-AI DAUGHTERS                    | 7                | 13,959   | 3.5  | 483  |          |            |          |     |               |
| 7 WITH HERD-MATES                                | 7                | 13,959   | 3.5  | 483  |          | 8          | 12,677   | 439 |               |
|  |                  |          |      |      |          | DIFF.      | 1282     | 44  |               |
| 1182958 .....                                    |                  |          |      |      |          |            |          |     |               |
| STATES- 42 7 NDN-AI DAUGHTERS                    | 7                | 15,409   | 3.3  | 510  |          |            |          |     |               |
| 7 WITH HERD-MATES                                | 7                | 15,409   | 3.3  | 510  |          | 13         | 13,241   | 467 |               |
|  |                  |          |      |      |          | DIFF.      | 2168     | 43  |               |
| 1183120 PLAIN VIEW DOMINATOR.....                |                  |          |      |      |          |            |          |     |               |
| 05-07-52 915940 2608304 4 AI DAUGHTERS-02        |                  |          |      |      |          |            |          |     |               |
| AI STUD, 93-10 LISTED, 05-64 4 WITH HERD-MATES   |                  |          |      |      |          |            |          |     |               |
| STATES- 35,41,93                                 |                  |          |      |      |          |            |          |     |               |
|  |                  |          |      |      |          |            |          |     |               |
| 11 NDN-AI DAUGHTERS                              | 20               | 12,034   | 3.9  | 465  |          |            |          |     |               |
| 11 WITH HERD-MATES                               | 20               | 12,034   | 3.9  | 465  |          | 27         | 13,151   | 480 |               |
|  |                  |          |      |      |          | DIFF.      | 1117-    | 15- |               |



## SIRE OF OHIA DAUGHTERS

|   |                                       |  |  | AV. PRDUCTION DF | DAU.   | ADJ. HERD-MATES | AV. | PREDICTED   | AV. |            |
|---|---------------------------------------|--|--|------------------|--------|-----------------|-----|-------------|-----|------------|
| HDLSTEIN  |                                       |  |  | RECORDS          | MILK   | TEST            | FAT | MILK        | FAT |            |
|   |                                       |  |  | NUMBER           | L8     | %               | L8  | NUMBER      | L8  |            |
| 1187680   | DS8DRNDALE TY VIC SIR JDHANNA.....    |  |  |                  |        |                 |     |             |     |            |
| 03-27-52  | 848777 2072102 378 AI DAUGHTERS-25*   |  |  | 858              | 13,311 | 3.9             | 518 |             |     |            |
| AI STUD, 23-07 LISTED, 03-64  | 371 WITH HERD-MATES                   |  |  | 846              | 13,327 | 3.9             | 518 | 14 13,155   | 488 | 12,701 487 |
| STATES- 12,13,14,16,23,84   |                                       |  |  |                  |        |                 |     | OIFF. 172   | 30  |            |
|   | 9 NDN-AI DAUGHTERS                    |  |  | 32               | 13,405 | 4.1             | 553 |             |     |            |
|   | 8 WITH HERD-MATES                     |  |  | 30               | 13,653 | 4.0             | 551 | 15 13,318   | 499 |            |
|   |                                       |  |  |                  |        |                 |     | OIFF. 335   | 52  |            |
| 1187808   | .....                                 |  |  |                  |        |                 |     |             |     |            |
|   | 6 NDN-AI DAUGHTERS                    |  |  | 7                | 11,516 | 3.8             | 438 |             |     |            |
| STATES- 23,31   | 5 WITH HERD-MATES                     |  |  | 6                | 11,597 | 3.8             | 439 | 10 13,146   | 485 |            |
|   |                                       |  |  |                  |        |                 |     | DIFF. 1549- | 46- |            |
| 1187814   | LDWFIELD KINDILK PIETERTJE.....       |  |  |                  |        |                 |     |             |     |            |
| 06-21-52  | 846979 2657734 5 NDN-AI DAUGHTERS     |  |  | 6                | 13,394 | 3.4             | 451 |             |     |            |
| AI STUD, 05-64 LISTED, 05-64  | 5 WITH HERD-MATES                     |  |  | 6                | 13,394 | 3.4             | 451 | 9 12,581    | 447 |            |
| STATES- 33  |                                       |  |  |                  |        |                 |     | DIFF. 813   | 4   |            |
| 1188192   | SMOKY HILL WIS VIVIAN DEAN.....       |  |  |                  |        |                 |     |             |     |            |
| 07-31-52  | 1068870 2996074 4 AI DAUGHTERS-04     |  |  |                  |        |                 |     |             |     |            |
| AI STUD, 48-01 LISTED, 05-64  | 4 WITH HERD-MATES                     |  |  |                  |        |                 |     |             |     |            |
| STATES- 47,48,73,74   |                                       |  |  |                  |        |                 |     |             |     |            |
|   | 42 NON-AI DAUGHTERS                   |  |  | 115              | 13,788 | 3.8             | 519 |             |     |            |
|   | 41 WITH HERD-MATES                    |  |  | 112              | 13,926 | 3.8             | 524 | 13 14,207   | 536 |            |
|   |                                       |  |  |                  |        |                 |     | OIFF. 281-  | 12- |            |
| 1188528   | WIS IOEAL LEAOR -TWIN.....            |  |  |                  |        |                 |     |             |     |            |
| 08-25-52  | 915940 2892873 272 AI DAUGHTERS-25*   |  |  | 289              | 11,809 | 3.8             | 447 |             |     |            |
| AI STUD, 12-03 LISTED, 05-64  | 269 WITH HERD-MATES                   |  |  | 283              | 11,793 | 3.8             | 446 | 19 13,018   | 496 | 11,359 411 |
| STATES- 11,12,13,14,21,48   |                                       |  |  |                  |        |                 |     | DIFF. 1225- | 50- |            |
|   | 33 NDN-AI DAUGHTERS                   |  |  | 73               | 15,572 | 3.9             | 600 |             |     |            |
|   | 29 WITH HERD-MATES                    |  |  | 69               | 15,920 | 3.8             | 609 | 15 15,106   | 563 |            |
|   |                                       |  |  |                  |        |                 |     | DIFF. 814   | 46  |            |
| 1188731   | MAN-D-WAR 8 F CRESCENT COMBINE.....   |  |  |                  |        |                 |     |             |     |            |
| 06-20-52  | 1074603 2226900 9 AI DAUGHTERS-08     |  |  | 9                | 10,428 | 3.7             | 384 |             |     |            |
| AI STUD, 35-05 LISTED, 05-64  | 9 WITH HERD-MATES                     |  |  | 9                | 10,428 | 3.7             | 384 | 11 12,708   | 474 | 11,523 418 |
| STATES- 32,33,35,41,42,56,84, 86  |                                       |  |  |                  |        |                 |     | DIFF. 2280- | 90- |            |
|   | 60 NDN-AI DAUGHTERS                   |  |  | 147              | 13,264 | 3.6             | 476 |             |     |            |
|   | 60 WITH HERD-MATES                    |  |  | 147              | 13,264 | 3.6             | 476 | 20 14,425   | 520 |            |
|   |                                       |  |  |                  |        |                 |     | DIFF. 1161- | 44- |            |
| 1189333   | .....                                 |  |  |                  |        |                 |     |             |     |            |
|   | 5 NDN-AI DAUGHTERS                    |  |  | 13               | 13,586 | 3.6             | 486 |             |     |            |
| STATES- 21  | 3 WITH HERD-MATES                     |  |  | 9                | 14,558 | 3.6             | 519 | 14 13,569   | 511 |            |
|   |                                       |  |  |                  |        |                 |     | DIFF. 989   | 8   |            |
| 1189470   | RUBY ACRES SUNNYSIDE RAVEN.....       |  |  |                  |        |                 |     |             |     |            |
| 08-06-52  | 909839 2475689 884 AI DAUGHTERS-25*   |  |  | 1024             | 11,617 | 3.7             | 435 |             |     |            |
| AI STUD, 35-75 LISTED, 05-64  | 846 WITH HERD-MATES                   |  |  | 978              | 11,656 | 3.7             | 437 | 21 13,061   | 474 | 11,152 421 |
| STATES- 13,21,23,31,32,33,34, 35,41,42,43,46,47,48,52,55,56, 57,58,63,64,65,71,73,74,82,84, 87,91,93                      |                                       |  |  |                  |        |                 |     | DIFF. 1405- | 37- |            |
|   | 14 NON-AI DAUGHTERS                   |  |  | 27               | 12,269 | 3.7             | 459 |             |     |            |
|   | 12 WITH HERD-MATES                    |  |  | 21               | 12,222 | 3.8             | 463 | 15 12,397   | 452 |            |
|   |                                       |  |  |                  |        |                 |     | DIFF. 175-  | 11  |            |
| 1189593   | WIS SYMBDL.....                       |  |  |                  |        |                 |     |             |     |            |
| 09-28-52  | 915940 2347083 536 AI DAUGHTERS-25*   |  |  | 590              | 13,904 | 3.5             | 484 |             |     |            |
| AI STUD, 34-01 LISTED, 05-64  | 519 WITH HERD-MATES                   |  |  | 567              | 14,002 | 3.5             | 487 | 18 13,525   | 491 | 13,036 455 |
| STATES- 21,23,31,32,33,34,35, 41,42,48,52,54,61,73,84,91  |                                       |  |  |                  |        |                 |     | DIFF. 477   | 4-  |            |
|   | 68 NDN-AI DAUGHTERS                   |  |  | 161              | 13,908 | 3.6             | 496 |             |     |            |
|   | 68 WITH HERD-MATES                    |  |  | 161              | 13,908 | 3.6             | 496 | 33 13,802   | 507 |            |
|   |                                       |  |  |                  |        |                 |     | DIFF. 106   | 11- |            |
| 1189676   | ADMIRAL LADY PINKY BURKE.....         |  |  |                  |        |                 |     |             |     |            |
| 02-23-51  | 998086 1973082 8 NDN-AI DAUGHTERS     |  |  | 11               | 13,800 | 3.5             | 477 |             |     |            |
| AI STUD, 11-63 LISTED, 11-63  | 7 WITH HERD-MATES                     |  |  | 10               | 14,016 | 3.5             | 486 | 20 12,968   | 466 |            |
| STATES- 52,55   |                                       |  |  |                  |        |                 |     | OIFF. 1048  | 20  |            |
| 1189679   | PAULINE SILVER TIOY BURKE - TWIN..... |  |  |                  |        |                 |     |             |     |            |
| 01-06-52  | 1113348 2801455 1481 AI DAUGHTERS-25* |  |  | 1980             | 14,101 | 3.6             | 508 |             |     |            |
| AI STUD, 52-01 LISTED, 05-64  | 1425 WITH HERD-MATES                  |  |  | 1912             | 14,102 | 3.6             | 508 | 24 12,932   | 471 | 13,675 494 |
| STATES- 23,51,52,55,63  |                                       |  |  |                  |        |                 |     | DIFF. 1170  | 37  |            |
|   | 80 NDN-AI DAUGHTERS                   |  |  | 192              | 13,661 | 3.6             | 488 |             |     |            |
|   | 77 WITH HERD-MATES                    |  |  | 181              | 13,704 | 3.6             | 488 | 14 13,206   | 488 |            |
|   |                                       |  |  |                  |        |                 |     | DIFF. 498   |     |            |
| 1189870   | DS8DRNDALE IVANHDE.....               |  |  |                  |        |                 |     |             |     |            |
| 04-26-52  | 848777 2471271 4513 AI DAUGHTERS-25*  |  |  | 5979             | 13,922 | 3.8             | 533 |             |     |            |
| AI STUD, 23-08 LISTED, 05-64  | 4435 WITH HERD-MATES                  |  |  | 5866             | 13,936 | 3.8             | 534 | 14 13,675   | 519 | 12,848 476 |
| STATES- 11,12,13,14,15,16,21, 22,23,35,41,47,50,51,52,54,55, 57,61,86,87,91,93  |                                       |  |  |                  |        |                 |     | DIFF. 261   | 15  |            |
|   | 84 NDN-AI DAUGHTERS                   |  |  | 213              | 14,682 | 3.8             | 561 |             |     |            |
|   | 80 WITH HERD-MATES                    |  |  | 208              | 14,653 | 3.8             | 562 | 14 14,814   | 560 |            |
|   |                                       |  |  |                  |        |                 |     | DIFF. 161-  | 2   |            |
| 1190010   | WINDY SHADE MILKMASTER PDSCH.....     |  |  |                  |        |                 |     |             |     |            |
| 04-21-52  | 1044825 1831477 10 NDN-AI DAUGHTERS   |  |  | 12               | 8,459  | 3.6             | 304 |             |     |            |
| AI STUD, 11-63 LISTED, 11-63  | 10 WITH HERD-MATES                    |  |  | 12               | 8,459  | 3.6             | 304 | 9 9,174     | 335 |            |
| STATES- 61  |                                       |  |  |                  |        |                 |     | OIFF. 715-  | 31- |            |
| 1190151   | WALKER MABEL PA8ST DF RDNHU8.....     |  |  |                  |        |                 |     |             |     |            |
| 07-14-52  | 1104657 2467841 717 AI DAUGHTERS-25*  |  |  | 1406             | 12,502 | 3.8             | 472 |             |     |            |
| AI STUD, 33-03 LISTED, 05-64  | 695 WITH HERD-MATES                   |  |  | 1364             | 12,542 | 3.8             | 473 | 16 12,969   | 477 | 12,102 453 |
| STATES- 11,13,14,16,21,22,23, 31,32,33,34,35,41,42,43,46,47, 50,51,52,54,55,57,61,73,82,84, 87,91,92                      |                                       |  |  |                  |        |                 |     | DIFF. 427-  | 4-  |            |
|   | 30 NDN-AI DAUGHTERS                   |  |  | 75               | 12,359 | 3.8             | 464 |             |     |            |
|   | 28 WITH HERD-MATES                    |  |  | 73               | 12,434 | 3.8             | 468 | 16 13,184   | 488 |            |
|   |                                       |  |  |                  |        |                 |     | DIFF. 750-  | 20- |            |
| 1190632   | LYDN BRDDK WALLIE QUEEN.....          |  |  |                  |        |                 |     |             |     |            |
| 06-11-52  | 835921 2803453 538 AI DAUGHTERS-25*   |  |  | 665              | 13,774 | 3.5             | 476 |             |     |            |
| AI STUD, 33-03 LISTED, 05-64  | 532 WITH HERD-MATES                   |  |  | 656              | 13,793 | 3.5             | 477 | 16 13,548   | 499 | 12,813 438 |
| STATES- 11,12,13,14,15,16,21, 22,23,31,32,33,34,35,41,42,43, 46,47,48,50,51,52,54,55,56,57, 61,63,64,65,73,82,84,87,91,92 |                                       |  |  |                  |        |                 |     | DIFF. 245   | 22- |            |
|   | 100 NDN-AI DAUGHTERS                  |  |  | 268              | 15,227 | 3.5             | 526 |             |     |            |
|   | 98 WITH HERD-MATES                    |  |  | 266              | 15,228 | 3.5             | 526 | 15 14,083   | 524 |            |
|   |                                       |  |  |                  |        |                 |     | OIFF. 1145  | 2   |            |



| SIRE OF DHIA DAUGHTERS                      |      |                  |      | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|---|------|------------------|------|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
| HOLSTEIN                                    |      |                  |      | RECORDS<br>NUMBER      | MILK<br>L8 | TEST<br>% | FAT<br>L8 | NUMBER              | MILK<br>L8 | FAT<br>L8 | MILK<br>L8    | FAT<br>L8 |
| 1190799 .....                               |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| STATES- 85                                  | 6    | NDN-AI DAUGHTERS | 7    | 14,922                 | 3.5        | 523       |           |                     |            |           |               |           |
|   | 6    | WITH HERD-MATES  | 7    | 14,922                 | 3.5        | 523       |           | 116                 | 13,192     | 476       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 1730       | 47        |               |           |
| 1190932 CLYDE HILL SIR DRMSBY VERBA.....    |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| 08-24-52 1051665 3244238                    | 9    | NDN-AI DAUGHTERS | 24   | 11,986                 | 3.5        | 420       |           |                     |            |           |               |           |
| STATES- 31,34                               | 9    | WITH HERD-MATES  | 23   | 11,960                 | 3.5        | 416       |           | 11                  | 12,779     | 457       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 819-       | 41-       |               |           |
| 1190997 .....                               |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| STATES- 82                                  | 5    | NDN-AI DAUGHTERS | 8    | 13,344                 | 3.5        | 461       |           |                     |            |           |               |           |
|   | 3    | WITH HERD-MATES  | 5    | 12,876                 | 3.4        | 432       |           | 3                   | 12,557     | 440       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 319        | 8-        |               |           |
| 1191026 .....                               |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| STATES- 55                                  | 30   | NDN-AI DAUGHTERS | 79   | 9,646                  | 3.3        | 320       |           |                     |            |           |               |           |
|   | 30   | WITH HERD-MATES  | 78   | 9,649                  | 3.3        | 320       |           | 4                   | 10,538     | 371       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 889-       | 51-       |               |           |
| 1191246 .....                               |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| STATES- 31                                  | 8    | NDN-AI DAUGHTERS | 9    | 12,011                 | 3.5        | 426       |           |                     |            |           |               |           |
|   | 8    | WITH HERD-MATES  | 9    | 12,011                 | 3.5        | 426       |           | 12                  | 11,829     | 432       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 182        | 6-        |               |           |
| 1191323 SISSON FARMS SUCCESSDR.....         |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| 10-03-52 1033772 2570470                    | 8    | NDN-AI DAUGHTERS | 19   | 15,856                 | 3.8        | 595       |           |                     |            |           |               |           |
| STATES- 21                                  | 8    | WITH HERD-MATES  | 19   | 15,856                 | 3.8        | 595       |           | 19                  | 15,209     | 541       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 647        | 54        |               |           |
| 1191921 HIGH MEADOW FARM MASTER DEAN.....   |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| 07-06-51 761977 3203892                     | 393  | AI DAUGHTERS-25* | 444  | 13,366                 | 3.7        | 491       |           |                     |            |           |               |           |
| AI STUD, 35-75 LISTED, 05-64                | 379  | WITH HERD-MATES  | 426  | 13,368                 | 3.7        | 491       |           | 17                  | 13,100     | 479       | 12,789        | 468       |
| STATES- 13,16,21,22,32,33,34,               |      |                  |      |                        |            |           |           | DIFF.               | 268        | 12        |               |           |
| 35,41,42,43,46,48,52,55,56,57,              | 24   | NDN-AI DAUGHTERS | 83   | 14,006                 | 3.9        | 544       |           |                     |            |           |               |           |
| 61,71,73,74,84,91                           | 23   | WITH HERD-MATES  | 77   | 14,146                 | 3.9        | 549       |           | 12                  | 13,686     | 526       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 460        | 23        |               |           |
| 1191975 KANKAKEE IMMANUEL PA8ST RDAMER..... |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| 11-13-52 859213 2440218                     | 15   | NDN-AI DAUGHTERS | 25   | 14,093                 | 3.8        | 535       |           |                     |            |           |               |           |
| STATES- 33                                  | 15   | WITH HERD-MATES  | 25   | 14,093                 | 3.8        | 535       |           | 6                   | 11,968     | 453       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 2125       | 82        |               |           |
| 1192023 CLOVERBRDDK REGAL KING.....         |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| 07-20-52 1131139 2791969                    | 9    | NDN-AI DAUGHTERS | 21   | 12,308                 | 3.6        | 448       |           |                     |            |           |               |           |
| LISTED, 08-62                               | 9    | WITH HERD-MATES  | 21   | 12,308                 | 3.6        | 448       |           | 4                   | 11,899     | 423       |               |           |
| STATES- 42                                  |      |                  |      |                        |            |           |           | DIFF.               | 409        | 25        |               |           |
| 1192681 EDLOLAH PA8ST REGAL SEGIS.....      |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| 05-21-52 901195 2642170                     | 13   | NDN-AI DAUGHTERS | 38   | 12,848                 | 3.6        | 459       |           |                     |            |           |               |           |
| STATES- 31                                  | 11   | WITH HERD-MATES  | 36   | 12,964                 | 3.5        | 457       |           | 8                   | 13,456     | 491       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 492-       | 34-       |               |           |
| 1192713 NEMAH RERDYAL BURKE.....            |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| 02-18-52 984799 2961239                     | 1182 | AI DAUGHTERS-25* | 1717 | 14,211                 | 3.7        | 521       |           |                     |            |           |               |           |
| AI STUD, 35-75 LISTED, 05-64                | 1138 | WITH HERD-MATES  | 1664 | 14,251                 | 3.7        | 523       |           | 25                  | 13,286     | 485       | 13,496        | 46        |
| STATES- 12,13,14,16,21,22,23,               |      |                  |      |                        |            |           |           | DIFF.               | 965        | 38        |               |           |
| 31,32,33,34,35,41,42,43,47,48,              | 43   | NDN-AI DAUGHTERS | 138  | 15,439                 | 3.9        | 596       |           |                     |            |           |               |           |
| 51,52,55,56,57,58,61,64,72,82,              | 39   | WITH HERD-MATES  | 130  | 15,677                 | 3.8        | 603       |           | 27                  | 14,802     | 571       |               |           |
| 84,86,87,91,92,93                           |      |                  |      |                        |            |           |           | DIFF.               | 875        | 32        |               |           |
| 1192825 FD8ES IKE REX 8ILL.....             |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| 11-04-52 1102400 3129411                    | 11   | NDN-AI DAUGHTERS | 13   | 13,430                 | 3.7        | 496       |           |                     |            |           |               |           |
| LISTED, 03-64                               | 11   | WITH HERD-MATES  | 13   | 13,430                 | 3.7        | 496       |           | 16                  | 13,728     | 510       |               |           |
| STATES- 14,23,32,33,34,41,51                |      |                  |      |                        |            |           |           | DIFF.               | 298-       | 14-       |               |           |
| 1192892 KYLAND CASCADE BURKE 9TH.....       |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| 01-09-52 1063862 2606722                    | 98   | AI DAUGHTERS-25* | 173  | 12,055                 | 3.6        | 436       |           |                     |            |           |               |           |
| AI STUD, 65-02 LISTED, 05-64                | 71   | WITH HERD-MATES  | 132  | 12,222                 | 3.6        | 444       |           | 10                  | 12,443     | 448       | 12,281        | 451       |
| STATES- 34,35,65                            |      |                  |      |                        |            |           |           | DIFF.               | 221-       | 4-        |               |           |
|   | 5    | NDN-AI DAUGHTERS | 12   | 14,299                 | 3.6        | 518       |           |                     |            |           |               |           |
|   | 4    | WITH HERD-MATES  | 11   | 15,447                 | 3.6        | 556       |           | 9                   | 13,393     | 497       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 2054       | 59        |               |           |
| 1192913 .....                               |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| STATES- 21,32,91                            | 5    | NDN-AI DAUGHTERS | 10   | 14,338                 | 3.5        | 507       |           |                     |            |           |               |           |
|   | 5    | WITH HERD-MATES  | 10   | 14,338                 | 3.5        | 507       |           | 20                  | 13,988     | 485       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 350        | 22        |               |           |
| 1193380 PETE PATHFINDER IVAN.....           |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| 11-09-52 1108861 2959639                    | 16   | NDN-AI DAUGHTERS | 40   | 10,895                 | 3.6        | 395       |           |                     |            |           |               |           |
| STATES- 55                                  | 16   | WITH HERD-MATES  | 39   | 10,872                 | 3.6        | 394       |           | 7                   | 12,676     | 481       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 1804-      | 87-       |               |           |
| 1193612 OAN8DRD HURLWDDO IKE.....           |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| 09-21-52 1024853 3212184                    | 17   | AI DAUGHTERS-07  | 22   | 12,757                 | 3.8        | 489       |           |                     |            |           |               |           |
| AI STUD, 22-01 LISTED, 01-63                | 17   | WITH HERD-MATES  | 22   | 12,757                 | 3.8        | 489       |           | 38                  | 14,127     | 540       | 11,773        | 430       |
| STATES- 14,21,22,23,50,51,57                |      |                  |      |                        |            |           |           | DIFF.               | 1370-      | 51-       |               |           |
|   | 28   | NDN-AI DAUGHTERS | 76   | 15,775                 | 3.7        | 589       |           |                     |            |           |               |           |
|   | 28   | WITH HERD-MATES  | 76   | 15,775                 | 3.7        | 589       |           | 16                  | 14,570     | 542       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 1205       | 47        |               |           |
| 1194143 SENSATION HIGHLINE LANCER.....      |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| 08-06-52 953325 2766996                     | 14   | NDN-AI DAUGHTERS | 54   | 13,623                 | 3.8        | 514       |           |                     |            |           |               |           |
| STATES- 16,21                               | 13   | WITH HERD-MATES  | 53   | 13,942                 | 3.8        | 527       |           | 15                  | 14,996     | 570       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 1054-      | 43-       |               |           |
| 1194248 .....                               |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| STATES- 51                                  | 5    | NDN-AI DAUGHTERS | 7    | 12,248                 | 3.2        | 398       |           |                     |            |           |               |           |
|   | 5    | WITH HERD-MATES  | 7    | 12,248                 | 3.2        | 398       |           | 37                  | 12,774     | 452       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 526-       | 54-       |               |           |
| 1194257 .....                               |      |                  |      |                        |            |           |           |                     |            |           |               |           |
| STATES- 21,31                               | 5    | NDN-AI DAUGHTERS | 5    | 12,636                 | 4.0        | 507       |           |                     |            |           |               |           |
|   | 4    | WITH HERD-MATES  | 4    | 13,090                 | 4.1        | 537       |           | 14                  | 12,748     | 469       |               |           |
|   |      |                  |      |                        |            |           |           | DIFF.               | 342        | 68        |               |           |

### SIRES OF OHIA DAUGHTERS

| SIRE OF CHITA DAUGHTERS  |         |        |      |     | AV. PRODUCTION | DF | DAU. | ADJ. | HERD-MATES | AV.              | PREDICTED AV. |     |        |     |
|--|---------|--------|------|-----|----------------|----|------|------|------------|------------------|---------------|-----|--------|-----|
| HDLSTEIN   | RECORDS | MILK   | TEST | FAT | NUMBER         | L8 | %    | L8   | NUMBER     | MILK             | FAT           | L8  | MILK   | FAT |
| 1194946 SISSON FARMS WALKER SUCCESSOR.....                                   |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| 10-22-52 1D33772 28547D7 9 NON-AI DAUGHTERS                                  | 2D      | 12,284 | 3.5  | 435 |                |    |      |      |            |                  |               |     |        |     |
| STATES- 21 7 WITH HERD-MATES   | 14      | 12,577 | 3.5  | 446 |                |    |      |      | 17         | 12,773           | 484           |     |        |     |
|  |         |        |      |     |                |    |      |      | DIFF.      | 196-             | 38-           |     |        |     |
| 1194954 SCHUTZHOLM ROAMER OLIVER.....  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| 12-12-52 859213 2577913 23 NON-AI DAUGHTERS                                  | 39      | 11,938 | 3.8  | 452 |                |    |      |      |            |                  |               |     |        |     |
| LISTED, 08-63 23 WITH HERD-MATES   | 39      | 11,938 | 3.8  | 452 |                |    |      |      | 22         | 13,174           | 493           |     |        |     |
| STATES- 21,23,32,34,35,41,43,52,85   |         |        |      |     |                |    |      |      | OIFF.      | 1236-            | 41-           |     |        |     |
| 1195312 NACHES FOREMAN.....  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| D8-25-52 1126534 2652551 144 AI DAUGHTERS-25*                                | 193     | 15,242 | 3.4  | 521 |                |    |      |      |            |                  |               |     |        |     |
| AI STUD, 87-D1 LISTED, 05-64 121 WITH HERD-MATES                             | 168     | 15,417 | 3.4  | 525 |                |    |      |      | 26         | 13,982           | 502           |     | 13,898 | 480 |
| STATES- 82,83,84,87  |         |        |      |     |                |    |      |      | DIFF.      | 1435             | 23            |     |        |     |
|  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
|  |         |        |      |     |                |    |      |      | 6          | 14,05D           | 523           |     |        |     |
|  |         |        |      |     |                |    |      |      | OIFF.      | 2919             | 76            |     |        |     |
| 1195339 PENDERKANE COMMANDER-IN-CHIEF.....                                   |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| 10-20-52 847579 18499D4 8 NON-AI DAUGHTERS                                   | 12      | 11,846 | 3.5  | 411 |                |    |      |      |            |                  |               |     |        |     |
| LISTED, D8-62 7 WITH HERD-MATES  | 11      | 12,033 | 3.5  | 419 |                |    |      |      | 14         | 12,326           | 452           |     |        |     |
| STATES- 15,21  |         |        |      |     |                |    |      |      | DIFF.      | 293-             | 33-           |     |        |     |
| 1195386 FIR FOREST RDBURKE IKE.....  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| 12-23-51 992848 3DD39D7 18 NON-AI DAUGHTERS                                  | 4D      | 11,910 | 3.7  | 439 |                |    |      |      |            |                  |               |     |        |     |
| LISTED, 01-63 18 WITH HERD-MATES   | 4D      | 11,91D | 3.7  | 439 |                |    |      |      | 8          | 12,115           | 434           |     |        |     |
| STATES- 34,35  |         |        |      |     |                |    |      |      | OIFF.      | 205-             | 5             |     |        |     |
| 1195429 .....  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
|  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
|  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| STATES- 33,35,41   |         |        |      |     |                |    |      |      | 29         | NON-AI DAUGHTERS |               |     |        |     |
|  |         |        |      |     |                |    |      |      | 71         | 13,815           | 3.7           | 512 |        |     |
|  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
|  |         |        |      |     |                |    |      |      | 10         | 13,693           | 492           |     |        |     |
|  |         |        |      |     |                |    |      |      | DIFF.      | 122              | 2D            |     |        |     |
| 1195635 BIG ROCK DICTATOR PONTIAC.....                                       |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| 05-07-52 1192252 278D793 15 NON-AI DAUGHTERS                                 | 29      | 11,2D5 | 3.7  | 41D |                |    |      |      |            |                  |               |     |        |     |
| STATES- 21,51,55   | 22      | 12,888 | 3.6  | 469 |                |    |      |      | 16         | 14,079           | 501           |     |        |     |
|  |         |        |      |     |                |    |      |      | DIFF.      | 1191-            | 32-           |     |        |     |
| 1195667 BURRILANE PAT MARIE ALLIE.....                                       |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| D3-15-52 997864 2240839 59 AI DAUGHTERS-25*                                  | 133     | 13,887 | 3.7  | 514 |                |    |      |      |            |                  |               |     |        |     |
| AI STUD, 93-D5 LISTED, 08-62 54 WITH HERD-MATES                              | 120     | 14,021 | 3.7  | 519 |                |    |      |      | 16         | 13,624           | 507           |     | 12,886 | 469 |
| STATES- 82   |         |        |      |     |                |    |      |      | DIFF.      | 397              | 12            |     |        |     |
| 1195669 BURRILANE CHALLENGER MADCAP.....                                     |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| D3-28-52 9677D6 3126328 1D7 AI DAUGHTERS-25*                                 | 220     | 13,889 | 3.9  | 541 |                |    |      |      |            |                  |               |     |        |     |
| AI STUD, 93-05 LISTED, D3-64 1D2 WITH HERD-MATES                             | 21D     | 13,831 | 3.9  | 541 |                |    |      |      | 21         | 14,020           | 521           |     | 12,441 | 479 |
| STATES- 82,91,92,93  |         |        |      |     |                |    |      |      | OIFF.      | 189-             | 20            |     |        |     |
| 1195933 EMPIRE DEAN CAVALIER.....  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| 05-28-52 761977 3278138 12 NON-AI DAUGHTERS                                  | 27      | 12,1D8 | 3.7  | 452 |                |    |      |      |            |                  |               |     |        |     |
| STATES- 21 12 WITH HERD-MATES  | 26      | 12,019 | 3.7  | 447 |                |    |      |      | 15         | 13,138           | 476           |     |        |     |
|  |         |        |      |     |                |    |      |      | DIFF.      | 1119-            | 29-           |     |        |     |
| 119626D PA8ST RAVEN REBE.....  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| 12-20-52 909839 2753399 12 AI DAUGHTERS-05                                   | 12      | 9,123  | 3.2  | 295 |                |    |      |      |            |                  |               |     |        |     |
| AI STUD, 94-D1 LISTED, 05-64 12 WITH HERD-MATES                              | 12      | 9,123  | 3.2  | 295 |                |    |      |      | 21         | 1D,833           | 376           |     | 11,534 | 41D |
| STATES- 94   |         |        |      |     |                |    |      |      | DIFF.      | 171D-            | 81-           |     |        |     |
| 1196263 PA8ST RAVEN WALKER 8EL.....  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| D1-03-53 9D9839 3287554 15 NON-AI DAUGHTERS                                  | 30      | 12,211 | 4.1  | 495 |                |    |      |      |            |                  |               |     |        |     |
| STATES- 32,34 13 WITH HERD-MATES   | 26      | 12,343 | 4.1  | 501 |                |    |      |      | 5          | 13,322           | 544           |     |        |     |
|  |         |        |      |     |                |    |      |      | OIFF.      | 979-             | 43-           |     |        |     |
| 1196645 DRMS8Y BURKE PONTIAC MDSE.....                                       |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| 07-12-52 1013415 2427878 684 AI DAUGHTERS-25*                                | 932     | 13,454 | 3.6  | 481 |                |    |      |      |            |                  |               |     |        |     |
| AI STUD, 31-D2 LISTED, D3-64 665 WITH HERD-MATES                             | 902     | 13,477 | 3.6  | 482 |                |    |      |      | 22         | 13,454           | 488           |     | 12,59D | 452 |
| STATES- 21,22,23,31,32,34,35,41,42,43,47,48,52,54,55,56,58,61,64,65,74,84,86 |         |        |      |     |                |    |      |      | OIFF.      | 23               | 6-            |     |        |     |
|  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
|  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
|  |         |        |      |     |                |    |      |      | 29         | NON-AI DAUGHTERS |               |     |        |     |
|  |         |        |      |     |                |    |      |      | 55         | 12,723           | 3.8           | 483 |        |     |
|  |         |        |      |     |                |    |      |      | 1D         | 13,451           | 5D1           |     |        |     |
|  |         |        |      |     |                |    |      |      | DIFF.      | 9D5-             | 24-           |     |        |     |
| 1197D95 MDDIE8ELL SOVEREIGN SUNRISE.....                                     |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| 07-13-52 956899 2721425 45 AI DAUGHTERS-25*                                  | 45      | 11,179 | 3.9  | 433 |                |    |      |      |            |                  |               |     |        |     |
| AI STUD, 16-D4 LISTED, D5-64 42 WITH HERD-MATES                              | 42      | 11,373 | 3.9  | 443 |                |    |      |      | 14         | 12,729           | 470           |     | 11,447 | 435 |
| STATES- 11,12,13,14,15,16,21,52  |         |        |      |     |                |    |      |      | DIFF.      | 1356-            | 27-           |     |        |     |
|  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
|  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
|  |         |        |      |     |                |    |      |      | 72         | NON-AI DAUGHTERS |               |     |        |     |
|  |         |        |      |     |                |    |      |      | 195        | 14,026           | 4.0           | 557 |        |     |
|  |         |        |      |     |                |    |      |      | 186        | 14,116           | 4.0           | 561 |        |     |
|  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
|  |         |        |      |     |                |    |      |      | 18         | 14,456           | 562           |     |        |     |
|  |         |        |      |     |                |    |      |      | DIFF.      | 34D-             | 1-            |     |        |     |
| 1197145 WHITE STAKE OLLIE CURTISS.....                                       |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| 11-25-52 955493 2761587 27 NON-AI DAUGHTERS                                  | 81      | 14,051 | 3.9  | 542 |                |    |      |      |            |                  |               |     |        |     |
| STATES- 21,23 21 WITH HERD-MATES   | 71      | 13,942 | 3.8  | 534 |                |    |      |      | 11         | 13,6D2           | 497           |     |        |     |
|  |         |        |      |     |                |    |      |      | DIFF.      | 34D              | 37            |     |        |     |
| 1197167 CHAMBLINS PATHFINDER PRIZETAKER.....                                 |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| D5-16-52 833681 2275367 18 NON-AI DAUGHTERS                                  | 37      | 11,976 | 3.9  | 468 |                |    |      |      |            |                  |               |     |        |     |
| LISTED, D8-62 18 WITH HERD-MATES   | 37      | 11,976 | 3.9  | 468 |                |    |      |      | 11         | 12,96D           | 5D6           |     |        |     |
| STATES- 52   |         |        |      |     |                |    |      |      | DIFF.      | 984-             | 38-           |     |        |     |
| 1197320 CARNATION REVELATION UPSTART.....                                    |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| D8-28-52 943802 2401287 1D4 NON-AI DAUGHTERS                                 | 247     | 8,9D5  | 3.9  | 343 |                |    |      |      |            |                  |               |     |        |     |
| LISTED, 08-62 99 WITH HERD-MATES   | 225     | 8,879  | 3.9  | 344 |                |    |      |      | 15         | 1D,215           | 382           |     |        |     |
| STATES- 64   |         |        |      |     |                |    |      |      | OIFF.      | 1336-            | 38-           |     |        |     |
| 1197826 USTAHOS LANCASTER AAGGIE ROGER.....                                  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| 1D-22-52 1D23D63 2866546 25 NON-AI DAUGHTERS                                 | 62      | 12,671 | 3.7  | 468 |                |    |      |      |            |                  |               |     |        |     |
| STATES- 87 25 WITH HERD-MATES  | 62      | 12,671 | 3.7  | 468 |                |    |      |      | 12         | 13,7D0           | 490           |     |        |     |
|  |         |        |      |     |                |    |      |      | OIFF.      | 1029-            | 22-           |     |        |     |
| 1197955 MAN-O-WAR 8 F MASTER GYPSIE.....                                     |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
| 1D-2D-52 945462 2296D89 42 AI DAUGHTERS-25*                                  | 46      | 12,127 | 3.6  | 432 |                |    |      |      |            |                  |               |     |        |     |
| AI STUD, 35-D5 LISTED, D5-64 41 WITH HERD-MATES                              | 45      | 12,123 | 3.6  | 432 |                |    |      |      | 15         | 12,443           | 447           |     | 12,222 | 443 |
| STATES- 33,35,41,42,82,87  |         |        |      |     |                |    |      |      | DIFF.      | 32D-             | 15-           |     |        |     |
|  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
|  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
|  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
|  |         |        |      |     |                |    |      |      | 35         | NON-AI DAUGHTERS |               |     |        |     |
|  |         |        |      |     |                |    |      |      | 111        | 14,93D           | 3.7           | 552 |        |     |
|  |         |        |      |     |                |    |      |      | 111        | 14,930           | 3.7           | 552 |        |     |
|  |         |        |      |     |                |    |      |      |            |                  |               |     |        |     |
|  |         |        |      |     |                |    |      |      | 13         | 14,111           | 528           |     |        |     |
|  |         |        |      |     |                |    |      |      | DIFF.      | 819              | 24            |     |        |     |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   |     |                  |      |        | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK L8 | TEST<br>% | DAU.<br>FAT L8 | ADJ. AV.<br>NUMBER | HERO-MATES<br>MILK L8 | AV. FAT<br>L8 | PREDICTED AV.<br>MILK L8 | FAT L8 |
|--|-----|------------------|------|--------|-----------------------|--------------------------|-----------|----------------|--------------------|-----------------------|---------------|--------------------------|--------|
| 1197956 KING BESSIE 8 F RETURN.....  |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 09-05-52 1126982 2863691   | 103 | AI DAUGHTERS-25* | 136  | 12,501 | 3.8                   | 470                      |           |                |                    |                       |               |                          |        |
| AI STUO, 35-04 LISTED, 05-64   | 101 | WITH HERD-MATES  | 134  | 12,476 | 3.8                   | 469                      |           |                | 16                 | 13,284                | 490           | 11,824                   | 439    |
| STATES- 21,33,35,41,42,46,57,61,84   | 29  | NON-AI DAUGHTERS | 69   | 12,769 | 3.7                   | 477                      |           |                | OIFF.              | 808-                  | 21-           |                          |        |
|  | 29  | WITH HERD-MATES  | 68   | 12,771 | 3.7                   | 478                      |           |                | 20                 | 13,693                | 499           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 922-                  | 21-           |                          |        |
| 1198047 THONYMA MAUOLENE AMERICAN 80Y.....   |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 01-02-53 917165 2616898  | 53  | AI DAUGHTERS-25* | 56   | 14,238 | 3.5                   | 501                      |           |                |                    |                       |               |                          |        |
| AI STUO, 87-01 LISTED, 03-64   | 49  | WITH HERD-MATES  | 52   | 14,481 | 3.5                   | 507                      |           |                | 17                 | 14,058                | 500           | 12,937                   | 464    |
| STATES- 46,82,84,87  |     |                  |      |        |                       |                          |           |                | OIFF.              | 423                   | 7             |                          |        |
|  | 11  | NON-AI DAUGHTERS | 19   | 17,577 | 3.7                   | 651                      |           |                | 6                  | 17,076                | 654           |                          |        |
|  | 10  | WITH HERD-MATES  | 18   | 17,640 | 3.7                   | 652                      |           |                | OIFF.              | 564                   | 2-            |                          |        |
| 1198277 MIOLANE BURKE DEAN.....  |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 08-19-52 981360 2215539  | 17  | NON-AI DAUGHTERS | 37   | 13,107 | 4.1                   | 534                      |           |                |                    |                       |               |                          |        |
| STATES- 31   | 17  | WITH HERD-MATES  | 36   | 13,076 | 4.1                   | 534                      |           |                | 7                  | 14,039                | 518           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 963-                  | 16            |                          |        |
| 1198698 GRAY VIEW BURKE BLEND.....   |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 05-02-52 895911 3073642  | 27  | NON-AI DAUGHTERS | 45   | 13,053 | 3.5                   | 457                      |           |                |                    |                       |               |                          |        |
| STATES- 41,46,47   | 27  | WITH HERD-MATES  | 45   | 13,053 | 3.5                   | 457                      |           |                | 10                 | 13,161                | 475           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 108-                  | 18-           |                          |        |
| 1198747 EILLOC PALMYRA REFLECTION JEM.....   |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 08-25-52 1095002 2513780   | 15  | NON-AI DAUGHTERS | 25   | 12,151 | 3.5                   | 420                      |           |                |                    |                       |               |                          |        |
| STATES- 31   | 15  | WITH HERD-MATES  | 24   | 12,162 | 3.5                   | 420                      |           |                | 9                  | 12,472                | 445           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 310-                  | 25-           |                          |        |
| 1199015 8 0 I ALGOVOD ANCHOR.....  |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 09-25-52 847579 3098378  | 60  | NON-AI DAUGHTERS | 102  | 13,263 | 3.8                   | 508                      |           |                |                    |                       |               |                          |        |
| STATES- 23,51  | 60  | WITH HERD-MATES  | 102  | 13,263 | 3.8                   | 508                      |           |                | 38                 | 13,628                | 481           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 365-                  | 27            |                          |        |
| 1199077 DON AUGUR AMITY DAUNTLESS TIOY.....  |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 10-28-52 892522 3588899  | 12  | NON-AI DAUGHTERS | 22   | 18,202 | 4.0                   | 721                      |           |                |                    |                       |               |                          |        |
| STATES- 16,31  | 12  | WITH HERD-MATES  | 22   | 18,202 | 4.0                   | 721                      |           |                | 12                 | 17,367                | 637           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 835                   | 84            |                          |        |
| 1199324 SKOKIE BENEFACTOR.....   |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 05-25-52 1115989 2314452   | 239 | AI DAUGHTERS-25* | 244  | 14,599 | 3.7                   | 535                      |           |                |                    |                       |               |                          |        |
| AI STUO, 33-03 LISTED, 05-64   | 234 | WITH HERD-MATES  | 239  | 14,642 | 3.7                   | 536                      |           |                | 17                 | 13,702                | 502           | 13,481                   | 492    |
| STATES- 11,12,13,14,15,16,21,22,23,31,32,33,34,35,41,42,43,48,50,51,52,54,55,57,61,63,87,88,93 | 16  | NON-AI DAUGHTERS | 24   | 14,164 | 3.7                   | 521                      |           |                | OIFF.              | 940                   | 34            |                          |        |
|  | 16  | WITH HERD-MATES  | 24   | 14,164 | 3.7                   | 521                      |           |                | 8                  | 12,991                | 486           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 1173                  | 35            |                          |        |
| 1199724 KYLANO GOVERNOR LAD - TWIN.....  |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 02-11-53 1158498 2464654   | 14  | NON-AI DAUGHTERS | 40   | 11,872 | 3.7                   | 436                      |           |                |                    |                       |               |                          |        |
| STATES- 33   | 14  | WITH HERD-MATES  | 40   | 11,872 | 3.7                   | 436                      |           |                | 10                 | 11,669                | 431           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 203                   | 5             |                          |        |
| 1199920 SUVA CHIEFTAIN ZEST GLENDON.....   |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 11-17-52 991576 2404819  | 47  | NON-AI DAUGHTERS | 112  | 13,217 | 3.5                   | 457                      |           |                |                    |                       |               |                          |        |
| STATES- 23,51,54   | 47  | WITH HERD-MATES  | 112  | 13,217 | 3.5                   | 457                      |           |                | 11                 | 13,091                | 479           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 126                   | 22-           |                          |        |
| 1199945 ELLIOC SOVEREIGN WELCOME.....  |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 08-27-52 1095002 2397971   | 34  | NON-AI DAUGHTERS | 118  | 11,718 | 3.5                   | 406                      |           |                |                    |                       |               |                          |        |
| STATES- 86   | 34  | WITH HERD-MATES  | 118  | 11,718 | 3.5                   | 406                      |           |                | 24                 | 11,623                | 414           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 95                    | 8-            |                          |        |
| 1200082 CARNATION ENSIGN MAJOR MAOCAP.....   |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 11-06-52 925403 2806672  | 452 | AI DAUGHTERS-25* | 479  | 13,909 | 3.7                   | 508                      |           |                |                    |                       |               |                          |        |
| AI STUO, 35-75 LISTED, 05-64   | 443 | WITH HERD-MATES  | 469  | 13,877 | 3.7                   | 507                      |           |                | 33                 | 14,277                | 519           | 12,259                   | 449    |
| STATES- 13,21,31,33,34,35,41,42,43,46,47,48,52,55,56,57,64,73,82,84,85,86,87,88,91,92,93       | 56  | NON-AI DAUGHTERS | 156  | 15,692 | 3.8                   | 598                      |           |                | OIFF.              | 400-                  | 12-           |                          |        |
|  | 55  | WITH HERD-MATES  | 153  | 15,678 | 3.8                   | 598                      |           |                | 14                 | 15,675                | 588           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 3                     | 10            |                          |        |
| 1200084 CARNATION ENSIGN BUILD-UP.....   |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 11-23-52 925403 2893009  | 12  | NON-AI DAUGHTERS | 12   | 13,393 | 3.4                   | 455                      |           |                |                    |                       |               |                          |        |
| STATES- 91   | 11  | WITH HERD-MATES  | 11   | 13,777 | 3.4                   | 463                      |           |                | 181                | 13,896                | 495           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 119-                  | 32-           |                          |        |
| 1200702 NEMAHA REROYAL CHRIS.....  |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 11-18-52 984799 2823345  | 770 | AI DAUGHTERS-25* | 1062 | 12,402 | 3.7                   | 453                      |           |                |                    |                       |               |                          |        |
| AI STUO, 41-01 LISTED, 05-64   | 701 | WITH HERD-MATES  | 971  | 12,438 | 3.7                   | 454                      |           |                | 15                 | 12,531                | 451           | 12,386                   | 458    |
| STATES- 33,35,41,42,45,46,47   |     |                  |      |        |                       |                          |           |                | OIFF.              | 93-                   | 3             |                          |        |
|  | 33  | NON-AI DAUGHTERS | 78   | 11,992 | 3.6                   | 435                      |           |                | 10                 | 12,409                | 444           |                          |        |
|  | 31  | WITH HERD-MATES  | 69   | 12,136 | 3.6                   | 441                      |           |                | OIFF.              | 273-                  | 3-            |                          |        |
| 1200723 W V U WIN KING ACE.....  |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 02-02-53 901316 2886687  | 165 | AI DAUGHTERS-25* | 319  | 12,031 | 3.7                   | 447                      |           |                |                    |                       |               |                          |        |
| AI STUO, 51-02 LISTED, 05-64   | 154 | WITH HERD-MATES  | 304  | 12,138 | 3.7                   | 450                      |           |                | 17                 | 11,813                | 433           | 12,709                   | 469    |
| STATES- 31,51,52,54  |     |                  |      |        |                       |                          |           |                | OIFF.              | 325                   | 17            |                          |        |
| 1200761 .....  |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
|  | 5   | NON-AI DAUGHTERS | 5    | 17,008 | 4.0                   | 675                      |           |                |                    |                       |               |                          |        |
| STATES- 32   | 5   | WITH HERD-MATES  | 5    | 17,008 | 4.0                   | 675                      |           |                | 26                 | 15,420                | 593           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 1588                  | 82            |                          |        |
| 1201047 PETZOLO GRAYMAR TRIUNE BURKE.....  |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 10-16-52 955619 2675301  | 5   | NON-AI DAUGHTERS | 9    | 13,537 | 3.7                   | 501                      |           |                |                    |                       |               |                          |        |
| STATES- 21,52  | 5   | WITH HERD-MATES  | 9    | 13,537 | 3.7                   | 501                      |           |                | 15                 | 14,102                | 525           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 565-                  | 24-           |                          |        |
| 1201288 MAYJO BREEZE BURKE.....  |     |                  |      |        |                       |                          |           |                |                    |                       |               |                          |        |
| 02-21-52 1139899 2963081   | 45  | NON-AI DAUGHTERS | 83   | 11,685 | 4.0                   | 466                      |           |                |                    |                       |               |                          |        |
| STATES- 23,35  | 43  | WITH HERD-MATES  | 81   | 11,750 | 4.0                   | 465                      |           |                | 7                  | 11,910                | 445           |                          |        |
|  |     |                  |      |        |                       |                          |           |                | OIFF.              | 160-                  | 20            |                          |        |



## SIREs OF DHIA DAUGHTERS

| HOLSTEIN  |                                    |     |                  | AV. RECORDS | PRDUCTION MILK L8 | DF TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|---|------------------------------------|-----|------------------|-------------|-------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1201689   | THENDARA BURKE F08ES DEAN.....     |     |                  |             |                   |           |             |                 |                    |            |                   |            |
| 02-06-53  | 1112040 3340781                    | 20  | NON-AI DAUGHTERS | 24          | 9,723             | 3.3       | 321         |                 |                    |            |                   |            |
| STATES- 21                                      |                                    | 19  | WITH HERD-MATES  | 21          | 9,472             | 3.3       | 314         | 21              | 9,149              | 312        |                   |            |
|   |                                    |     |                  |             |                   |           |             | DIFF.           | 323                | 2          |                   |            |
| 1202434   | CHRISTY HIGH8DY BILL.....          |     |                  |             |                   |           |             |                 |                    |            |                   |            |
| 02-18-53  | 1178739 3108981                    | 79  | AI DAUGHTERS-25* | 139         | 12,990            | 3.6       | 473         |                 |                    |            |                   |            |
| AI STUD, 35-03 LISTED, 05-64                    |                                    | 74  | WITH HERD-MATES  | 132         | 12,937            | 3.6       | 472         | 14              | 13,281             | 484        | 12,245            | 447        |
| STATES- 16,32,35,56,61                          |                                    |     |                  |             |                   |           |             | OIFF.           | 344-               | 12-        |                   |            |
|   |                                    | 11  | NDN-AI DAUGHTERS | 38          | 14,743            | 3.6       | 528         |                 |                    |            |                   |            |
|   |                                    | 11  | WITH HERD-MATES  | 37          | 14,845            | 3.6       | 532         | 15              | 14,372             | 501        |                   |            |
|   |                                    |     |                  |             |                   |           |             | DIFF.           | 473                | 31         |                   |            |
| 1202569   | .....                              |     |                  |             |                   |           |             |                 |                    |            |                   |            |
|   |                                    | 5   | NDN-AI DAUGHTERS | 12          | 13,501            | 3.8       | 510         |                 |                    |            |                   |            |
| STATES- 23                                      |                                    | 5   | WITH HERD-MATES  | 12          | 13,501            | 3.8       | 510         | 7               | 12,427             | 448        |                   |            |
|   |                                    |     |                  |             |                   |           |             | DIFF.           | 1074               | 62         |                   |            |
| 1202814   | WEBER ADMIRAL BURKE SEGIS LAD..... |     |                  |             |                   |           |             |                 |                    |            |                   |            |
| 01-01-53  | 882933 2072029                     | 5   | AI DAUGHTERS-05  | 5           | 11,868            | 3.9       | 458         |                 |                    |            |                   |            |
| AI STUD, 31-01 LISTED, 05-64                    |                                    | 5   | WITH HERD-MATES  | 5           | 11,868            | 3.9       | 458         | 10              | 12,135             | 456        | 12,384            | 456        |
| STATES- 21,23,31,32,33,35,41, 47,57,74,85,86,87 |                                    | 49  | NON-AI DAUGHTERS | 133         | 13,633            | 3.8       | 517         | DIFF.           | 267-               | 2          |                   |            |
|   |                                    | 49  | WITH HERD-MATES  | 132         | 13,630            | 3.8       | 516         | 26              | 14,246             | 518        |                   |            |
|   |                                    |     |                  |             |                   |           |             | OIFF.           | 616-               | 2-         |                   |            |
| 1202947   | LDS RO8LES PEPPER JO BURKE.....    |     |                  |             |                   |           |             |                 |                    |            |                   |            |
| 10-27-52  | 892265 2659005                     | 178 | AI DAUGHTERS-25* | 238         | 13,955            | 3.5       | 488         |                 |                    |            |                   |            |
| AI STUD, 92-01 LISTED, 05-64                    |                                    | 173 | WITH HERD-MATES  | 228         | 14,055            | 3.5       | 490         | 31              | 13,929             | 504        | 12,724            | 447        |
| STATES- 92,93                                   |                                    |     |                  |             |                   |           |             | DIFF.           | 126                | 14-        |                   |            |
|   |                                    | 12  | NON-AI DAUGHTERS | 20          | 13,694            | 3.5       | 483         |                 |                    |            |                   |            |
|   |                                    | 10  | WITH HERD-MATES  | 18          | 13,431            | 3.6       | 484         | 36              | 13,191             | 498        |                   |            |
|   |                                    |     |                  |             |                   |           |             | OIFF.           | 240                | 14-        |                   |            |
| 1203045   | BRIGEEEN MASTERSTROKE.....         |     |                  |             |                   |           |             |                 |                    |            |                   |            |
| 10-20-52  | 892522 3268005                     | 24  | AI DAUGHTERS-17  | 24          | 13,175            | 3.7       | 493         |                 |                    |            |                   |            |
| AI STUD, 16-04 LISTED, 05-64                    |                                    | 23  | WITH HERD-MATES  | 23          | 13,083            | 3.7       | 486         | 15              | 13,063             | 490        | 12,522            | 454        |
| STATES- 11,12,13,14,16,41                       |                                    |     |                  |             |                   |           |             | OIFF.           | 20                 | 4-         |                   |            |
|   |                                    | 59  | NON-AI DAUGHTERS | 99          | 13,510            | 3.9       | 523         |                 |                    |            |                   |            |
|   |                                    | 58  | WITH HERD-MATES  | 97          | 13,520            | 3.9       | 522         | 25              | 14,293             | 539        |                   |            |
|   |                                    |     |                  |             |                   |           |             | DIFF.           | 773-               | 17-        |                   |            |
| 1203114   | GRAY VIEW BURKE NOBEL.....         |     |                  |             |                   |           |             |                 |                    |            |                   |            |
| 12-12-52  | 895911 2304541                     | 741 | AI DAUGHTERS-25* | 1400        | 13,379            | 3.7       | 495         |                 |                    |            |                   |            |
| AI STUD, 33-01 LISTED, 05-64                    |                                    | 714 | WITH HERD-MATES  | 1343        | 13,376            | 3.7       | 495         | 17              | 12,632             | 474        | 13,216            | 478        |
| STATES- 31,33,34,35,42,48,54, 55,64             |                                    |     |                  |             |                   |           |             | DIFF.           | 744                | 21         |                   |            |
| 1203158   | HICKDRY CREEK ADVANCER - TWIN..... |     |                  |             |                   |           |             |                 |                    |            |                   |            |
| 10-13-52  | 949159 2201394                     | 23  | NON-AI DAUGHTERS | 24          | 14,717            | 3.6       | 528         |                 |                    |            |                   |            |
| LISTED, 03-64                                   |                                    | 23  | WITH HERD-MATES  | 24          | 14,717            | 3.6       | 528         | 46              | 14,878             | 553        |                   |            |
| STATES- 74                                      |                                    |     |                  |             |                   |           |             | DIFF.           | 161-               | 25-        |                   |            |
| 1204108   | ARJAY GONCEL BURKE LAD-TWIN.....   |     |                  |             |                   |           |             |                 |                    |            |                   |            |
| 01-02-53  | 909945 2738336                     | 12  | NON-AI DAUGHTERS | 27          | 13,416            | 3.6       | 481         |                 |                    |            |                   |            |
| AI STUD, 35-75 LISTED, 05-64                    |                                    | 12  | WITH HERD-MATES  | 26          | 13,464            | 3.6       | 483         | 12              | 14,054             | 504        |                   |            |
| STATES- 45,47,84                                |                                    |     |                  |             |                   |           |             | DIFF.           | 590-               | 21-        |                   |            |
| 1204163   | WEBER OICTATOR BURKE.....          |     |                  |             |                   |           |             |                 |                    |            |                   |            |
| 03-23-51  | 943293 2104304                     | 64  | NON-AI DAUGHTERS | 138         | 13,849            | 3.7       | 508         |                 |                    |            |                   |            |
| AI STUD, 93-10 LISTED, 05-64                    |                                    | 63  | WITH HERD-MATES  | 136         | 13,824            | 3.7       | 507         | 21              | 14,127             | 516        |                   |            |
| STATES- 22,34,35,41,42,48,57, 86,87,93          |                                    |     |                  |             |                   |           |             | OIFF.           | 303-               | 9-         |                   |            |
| 1204451   | FRAN-WILL POSCH GOLO.....          |     |                  |             |                   |           |             |                 |                    |            |                   |            |
| 01-26-53  | 874306 2473128                     | 81  | AI DAUGHTERS-25* | 160         | 11,631            | 3.6       | 417         |                 |                    |            |                   |            |
| AI STUD, 51-02 LISTED, 08-62                    |                                    | 78  | WITH HERD-MATES  | 157         | 11,700            | 3.6       | 419         | 19              | 12,138             | 453        | 12,066            | 426        |
| STATES- 23,51,52,54,55                          |                                    |     |                  |             |                   |           |             | DIFF.           | 438-               | 34-        |                   |            |
|   |                                    | 26  | NON-AI DAUGHTERS | 66          | 11,652            | 3.6       | 415         |                 |                    |            |                   |            |
|   |                                    | 24  | WITH HERD-MATES  | 63          | 11,720            | 3.6       | 419         | 14              | 12,105             | 453        |                   |            |
|   |                                    |     |                  |             |                   |           |             | DIFF.           | 385-               | 34-        |                   |            |
| 1204515   | ZELDENRUST MASTER-STROKE.....      |     |                  |             |                   |           |             |                 |                    |            |                   |            |
| 01-03-53  | 1028260 2649438                    | 425 | AI DAUGHTERS-25* | 893         | 12,389            | 3.8       | 468         |                 |                    |            |                   |            |
| AI STUD, 23-05 LISTED, 05-64                    |                                    | 420 | WITH HERD-MATES  | 877         | 12,420            | 3.8       | 468         | 12              | 12,713             | 478        | 12,210            | 447        |
| STATES- 14,21,23,32,34,54                       |                                    |     |                  |             |                   |           |             | OIFF.           | 293-               | 10-        |                   |            |
|   |                                    | 7   | NON-AI DAUGHTERS | 17          | 11,831            | 3.6       | 422         |                 |                    |            |                   |            |
|   |                                    | 7   | WITH HERD-MATES  | 17          | 11,831            | 3.6       | 422         | 10              | 12,876             | 466        |                   |            |
|   |                                    |     |                  |             |                   |           |             | OIFF.           | 1045-              | 44-        |                   |            |
| 1204669   | OS8ORNOALE TONY TY VIC.....        |     |                  |             |                   |           |             |                 |                    |            |                   |            |
| 03-14-52  | 848777 2440783                     | 680 | AI DAUGHTERS-25* | 849         | 12,482            | 4.0       | 494         |                 |                    |            |                   |            |
| AI STUD, 16-04 LISTED, 05-64                    |                                    | 663 | WITH HERD-MATES  | 825         | 12,513            | 4.0       | 496         | 22              | 13,594             | 506        | 11,521            | 450        |
| STATES- 11,12,13,14,15,16,21, 23                |                                    |     |                  |             |                   |           |             | DIFF.           | 1081-              | 10-        |                   |            |
|   |                                    | 34  | NON-AI DAUGHTERS | 100         | 12,526            | 3.9       | 488         |                 |                    |            |                   |            |
|   |                                    | 33  | WITH HERD-MATES  | 99          | 12,589            | 3.9       | 490         | 10              | 14,111             | 514        |                   |            |
|   |                                    |     |                  |             |                   |           |             | DIFF.           | 1522-              | 24-        |                   |            |
| 1204883   | .....                              |     |                  |             |                   |           |             |                 |                    |            |                   |            |
|   |                                    | 5   | NON-AI DAUGHTERS | 12          | 13,884            | 3.6       | 500         |                 |                    |            |                   |            |
| STATES- 23,31                                   |                                    | 5   | WITH HERD-MATES  | 12          | 13,884            | 3.6       | 500         | 13              | 13,806             | 503        |                   |            |
|   |                                    |     |                  |             |                   |           |             | DIFF.           | 78                 | 3-         |                   |            |
| 1204975   | COLSTAH ROCKY LAO.....             |     |                  |             |                   |           |             |                 |                    |            |                   |            |
| 03-06-53  | 1124617 2611926                    | 18  | NON-AI DAUGHTERS | 50          | 12,042            | 3.6       | 432         |                 |                    |            |                   |            |
| LISTED, 03-64                                   |                                    | 18  | WITH HERD-MATES  | 50          | 12,042            | 3.6       | 432         | 9               | 12,289             | 438        |                   |            |
| STATES- 84                                      |                                    |     |                  |             |                   |           |             | DIFF.           | 247-               | 6-         |                   |            |
| 1205076   | KENFRED MASTER ORMOYKE FLASH.....  |     |                  |             |                   |           |             |                 |                    |            |                   |            |
| 08-12-52  | 961493 2095180                     | 9   | NON-AI DAUGHTERS | 19          | 11,584            | 3.7       | 432         |                 |                    |            |                   |            |
| STATES- 31                                      |                                    | 8   | WITH HERD-MATES  | 18          | 11,412            | 3.7       | 426         | 8               | 12,984             | 477        |                   |            |
|   |                                    |     |                  |             |                   |           |             | OIFF.           | 1572-              | 51-        |                   |            |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN                                    |                     |     |        |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|---|---------------------|-----|--------|-----|------------------------|---------------------|---------------|
|   |                     |     |        |     | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT      |
|   |                     |     |        |     | NUMBER LB % LB         | NUMBER LB LB        | LB LB         |
| 1205185 LAVACRES DU VAR.....                |                     |     |        |     |                        |                     |               |
| 07-06-52 879145 2354013 42                  | NDN-AI DAUGHTERS    | 44  | 14,076 | 3.8 | 530                    |                     |               |
| LISTED, 03-64 42                            | WITH HERD-MATES     | 44  | 14,076 | 3.8 | 530                    |                     |               |
| STATES- 52,86,93                            |                     |     |        |     |                        | 43 DIFF. 14,213 510 |               |
|   |                     |     |        |     |                        | 137- 20             |               |
| 1205294 .....                               |                     |     |        |     |                        |                     |               |
| AI STUD, 91-03 5                            | AI DAUGHTERS-03     | 9   | 16,000 | 3.8 | 607                    |                     |               |
| STATES- 91 5                                | WITH HERD-MATES     | 8   | 16,212 | 3.8 | 610                    | 12 DIFF. 16,068 581 | 12,617 467    |
|   |                     |     |        |     |                        | 144 29              |               |
| 1206098 MARLDW REGAL ROBURKE KING.....      |                     |     |        |     |                        |                     |               |
| 01-10-53 1048418 2389347 31                 | NDN-AI DAUGHTERS    | 53  | 12,818 | 3.7 | 480                    |                     |               |
| STATES- 21 30                               | WITH HERD-MATES     | 52  | 12,671 | 3.7 | 475                    | 13 DIFF. 12,461 475 |               |
|   |                     |     |        |     |                        | 210                 |               |
| 1206220 VERPANA FARM RAJAH.....             |                     |     |        |     |                        |                     |               |
| 11-24-52 909839 2392877 27                  | NDN-AI DAUGHTERS    | 67  | 13,825 | 3.6 | 501                    |                     |               |
| LISTED, 08-62 27                            | WITH HERD-MATES     | 67  | 13,825 | 3.6 | 501                    | 23 DIFF. 14,498 534 |               |
| STATES- 33,35,52,56                         |                     |     |        |     |                        | 673- 33-            |               |
| 1206235 BDND HAVEN RAG APPLE STATESMAN..... |                     |     |        |     |                        |                     |               |
| 12-16-51 137532 423591 12                   | NDN-AI DAUGHTERS    | 15  | 11,287 | 3.3 | 370                    |                     |               |
| STATES- 23,34 12                            | WITH HERD-MATES     | 15  | 11,287 | 3.3 | 370                    | 20 DIFF. 12,184 429 |               |
|   |                     |     |        |     |                        | 897- 59-            |               |
| 1206446 .....                               |                     |     |        |     |                        |                     |               |
| STATES- 21 36                               | NDN-AI DAUGHTERS    | 63  | 13,740 | 3.8 | 517                    |                     |               |
|   | WITH HERD-MATES     | 56  | 13,537 | 3.8 | 513                    | 15 DIFF. 12,997 490 |               |
|   |                     |     |        |     |                        | 540 23              |               |
| 1206497 NEWMONT DEAN MAJDR.....             |                     |     |        |     |                        |                     |               |
| 01-02-53 1020746 2509987 14                 | NON-AI DAUGHTERS    | 25  | 10,533 | 3.5 | 371                    |                     |               |
| LISTED, 08-63 14                            | WITH HERD-MATES     | 25  | 10,533 | 3.5 | 371                    | 18 DIFF. 12,192 440 |               |
| STATES- 11,12,13,14                         |                     |     |        |     |                        | 1659- 69-           |               |
| 1206615 S V F AB81E RAG APPLE BURKE JD..... |                     |     |        |     |                        |                     |               |
| 01-08-53 915811 3043874 58                  | AI DAUGHTERS-25*    | 147 | 12,808 | 3.7 | 468                    |                     |               |
| AI STUD, 22-03 57                           | WITH HERD-MATES     | 146 | 12,834 | 3.7 | 469                    | 29 DIFF. 12,728 471 | 12,579 455    |
| STATES- 16,21,22,23                         |                     |     |        |     |                        | 106 2-              |               |
|   | 11 NON-AI DAUGHTERS | 26  | 13,622 | 3.8 | 514                    |                     |               |
|   | WITH HERD-MATES     | 22  | 13,755 | 3.8 | 518                    | 9 DIFF. 13,091 481  |               |
|   |                     |     |        |     |                        | 664 37              |               |
| 1206797 WINTERTHUR ZEUS ZEUS HERMES.....    |                     |     |        |     |                        |                     |               |
| 12-20-52 931354 2940385 152                 | AI DAUGHTERS-25*    | 347 | 13,864 | 3.7 | 518                    |                     |               |
| AI STUD, 22-03 LISTED, 05-64 140            | WITH HERD-MATES     | 323 | 13,902 | 3.7 | 518                    | 25 DIFF. 13,052 489 | 13,306 484    |
| STATES- 14,15,16,21,22,51                   |                     |     |        |     |                        | 850 29              |               |
| 1206798 WINTERTHUR ZEUS F08ES HUBER.....    |                     |     |        |     |                        |                     |               |
| 12-20-52 931354 2940388 1                   | AI DAUGHTERS-01     |     |        |     |                        |                     |               |
| AI STUD, 72-01 LISTED, 05-64 1              | WITH HERD-MATES     |     |        |     |                        |                     |               |
| STATES- 21,23,72                            |                     |     |        |     |                        |                     |               |
|   | 34 NON-AI DAUGHTERS | 81  | 15,764 | 3.9 | 614                    |                     |               |
|   | WITH HERD-MATES     | 81  | 15,764 | 3.9 | 614                    | 8 DIFF. 15,490 573  |               |
|   |                     |     |        |     |                        | 274 41              |               |
| 1207029 ADMIRAL DRMSBY STAR BURKE.....      |                     |     |        |     |                        |                     |               |
| 01-03-53 944606 2689324 21                  | NON-AI DAUGHTERS    | 61  | 14,709 | 3.8 | 565                    |                     |               |
| STATES- 21,23 21                            | WITH HERD-MATES     | 61  | 14,709 | 3.8 | 565                    | 9 DIFF. 13,814 537  |               |
|   |                     |     |        |     |                        | 895 28              |               |
| 1207158 .....                               |                     |     |        |     |                        |                     |               |
| STATES- 23 5                                | NON-AI DAUGHTERS    | 11  | 12,955 | 3.5 | 455                    |                     |               |
|   | WITH HERD-MATES     | 11  | 12,955 | 3.5 | 455                    | 10 DIFF. 12,943 454 |               |
|   |                     |     |        |     |                        | 12 1                |               |
| 1207281 SKOKIE GOLDEN INKY - TWIN.....      |                     |     |        |     |                        |                     |               |
| 10-16-52 1079736 2806298 104                | NON-AI DAUGHTERS    | 235 | 11,820 | 3.8 | 444                    |                     |               |
| LISTED, 08-62 101                           | WITH HERD-MATES     | 230 | 11,930 | 3.8 | 448                    | 28 DIFF. 12,656 459 |               |
| STATES- 61                                  |                     |     |        |     |                        | 726- 11-            |               |
| 1207662 MIKALMAR DRMSBY FBES.....           |                     |     |        |     |                        |                     |               |
| 06-06-53 1092809 3329182 35                 | NON-AI DAUGHTERS    | 65  | 11,558 | 3.3 | 383                    |                     |               |
| LISTED, 08-62 35                            | WITH HERD-MATES     | 64  | 11,550 | 3.3 | 384                    | 12 DIFF. 11,847 401 |               |
| STATES- 81                                  |                     |     |        |     |                        | 297- 17-            |               |
| 1207747 HDUCKHDLME RE-ECHO CHAMPION.....    |                     |     |        |     |                        |                     |               |
| 05-06-51 010212300 010407857 52             | NDN-AI DAUGHTERS    | 113 | 13,094 | 3.7 | 485                    |                     |               |
| LISTED, 08-63 51                            | WITH HERD-MATES     | 111 | 13,201 | 3.7 | 489                    | 24 DIFF. 12,826 461 |               |
| STATES- 21,23,31,51,54,61                   |                     |     |        |     |                        | 375 28              |               |
| 1207770 F P A ADMIRAL LUCIFER AUTOCRAT..... |                     |     |        |     |                        |                     |               |
| 05-08-52 769170 2587058 473                 | AI DAUGHTERS-25*    | 761 | 13,335 | 3.8 | 502                    |                     |               |
| AI STUD, 23-02 LISTED, 05-64 464            | WITH HERD-MATES     | 743 | 13,356 | 3.8 | 502                    | 13 DIFF. 13,418 495 | 12,503 466    |
| STATES- 13,21,23,54                         |                     |     |        |     |                        | 62- 7               |               |
|   | 12 NDN-AI DAUGHTERS | 35  | 13,619 | 3.8 | 515                    |                     |               |
|   | WITH HERD-MATES     | 28  | 14,442 | 3.6 | 524                    | 7 DIFF. 13,373 501  |               |
|   |                     |     |        |     |                        | 1069 23             |               |
| 1208315 .....                               |                     |     |        |     |                        |                     |               |
| STATES- 21 6                                | NDN-AI DAUGHTERS    | 6   | 13,033 | 3.3 | 435                    |                     |               |
|   | WITH HERD-MATES     | 6   | 13,033 | 3.3 | 435                    | 6 DIFF. 12,263 428  |               |
|   |                     |     |        |     |                        | 770 7               |               |
| 1208691 ANGLE LANE TRITDMIA BURKE.....      |                     |     |        |     |                        |                     |               |
| 09-19-52 943749 3113669 14                  | NDN-AI DAUGHTERS    | 21  | 13,820 | 3.5 | 479                    |                     |               |
| STATES- 35 13                               | WITH HERD-MATES     | 20  | 13,766 | 3.4 | 471                    | 3 DIFF. 13,474 472  |               |
|   |                     |     |        |     |                        | 292 1-              |               |
| 1209032 .....                               |                     |     |        |     |                        |                     |               |
| STATES- 81 7                                | NON-AI DAUGHTERS    | 15  | 13,527 | 3.6 | 484                    |                     |               |
|   | WITH HERD-MATES     | 14  | 13,499 | 3.6 | 484                    | 20 DIFF. 12,683 459 |               |
|   |                     |     |        |     |                        | 816 25              |               |

| Sires of CHIEF DAUGHTERS       |                       |                             |     |                  | AV. RECORDS | PRODUCTION | OF MILK | TEST | OF FAT | AV. AV. | HERD-MATES | AV. FAT | PREDICTED | AV. FAT |
|--------------------------------|-----------------------|-----------------------------|-----|------------------|-------------|------------|---------|------|--------|---------|------------|---------|-----------|---------|
| HOLSTEIN                       |                       |                             |     |                  | NUMBER      | L8         | %       | L8   | NUMBER | MILK L8 | FAT L8     | MILK L8 | FAT L8    |         |
| 1209215                        | DSBDRNDALE            | ANTHONY ROYAL.....          |     |                  |             |            |         |      |        |         |            |         |           |         |
| 06-09-53                       | 1025007               | 2919776                     | 8   | NDN-AI DAUGHTERS | 8           | 12,396     | 3.6     | 447  |        |         |            |         |           |         |
|                                |                       | LISTED, 03-64               | 8   | WITH HERD-MATES  | 8           | 12,396     | 3.6     | 447  |        |         |            |         |           |         |
| STATES-                        | 21                    |                             |     |                  |             |            |         |      | 24     | 11,885  | 431        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | DIFF.  | 511     | 16         |         |           |         |
| 1209398                        | 8DNO HAVEN            | GRANTS MARKSMAN.....        |     |                  |             |            |         |      |        |         |            |         |           |         |
| 01-10-52                       | 010137532             | 010754391                   | 44  | NDN-AI DAUGHTERS | 71          | 11,365     | 3.7     | 421  |        |         |            |         |           |         |
| STATES-                        | 14,16,21              |                             | 42  | WITH HERD-MATES  | 67          | 11,508     | 3.7     | 426  |        |         |            |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | 19     | 12,053  | 432        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | DIFF.  | 545-    | 6-         |         |           |         |
| 1209531                        | TIOY BURKE            | CYCLDNE.....                |     |                  |             |            |         |      |        |         |            |         |           |         |
| 02-01-52                       | 1013415               | 2683386                     | 93  | AI DAUGHTERS-14  | 134         | 13,596     | 3.5     | 481  |        |         |            |         |           |         |
| AI STUO,                       | 93-01                 | LISTED, 05-64               | 92  | WITH HERD-MATES  | 132         | 13,581     | 3.5     | 481  |        |         |            |         |           |         |
| STATES-                        | 48,93                 |                             |     |                  |             |            |         |      | 72     | 14,684  | 521        | 11,695  | 426       |         |
|                                |                       |                             |     |                  |             |            |         |      | DIFF.  | 1103-   | 40-        |         |           |         |
|                                |                       |                             | 3   | NDN-AI DAUGHTERS | 8           | 14,501     | 3.7     | 534  |        |         |            |         |           |         |
|                                |                       |                             | 3   | WITH HERD-MATES  | 7           | 14,659     | 3.7     | 541  |        |         |            |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | 34     | 14,794  | 536        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | OIFF.  | 135-    | 5          |         |           |         |
| 1210066                        | IDEAL BURKE           | CHIEFTAIN.....              |     |                  |             |            |         |      |        |         |            |         |           |         |
| 04-23-50                       | 1013415               | 2516347                     | 38  | NDN-AI DAUGHTERS | 67          | 12,529     | 3.9     | 484  |        |         |            |         |           |         |
|                                |                       | LISTED, 08-62               | 34  | WITH HERD-MATES  | 58          | 12,594     | 3.9     | 487  |        |         |            |         |           |         |
| STATES-                        | 47,48                 |                             |     |                  |             |            |         |      | 6      | 12,090  | 450        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | DIFF.  | 504     | 37         |         |           |         |
| 1210078                        | AGAIN ATHLNE          | ADMIRAL F08ES.....          |     |                  |             |            |         |      |        |         |            |         |           |         |
| 07-15-52                       | 1061894               | 2801182                     | 957 | AI DAUGHTERS-25* | 1200        | 12,756     | 3.8     | 484  |        |         |            |         |           |         |
| AI STUO,                       | 33-03                 | LISTED, 05-64               | 917 | WITH HERD-MATES  | 1148        | 12,763     | 3.8     | 484  |        |         |            |         |           |         |
| STATES-                        | 11,12,13,14,15,16,21, |                             |     |                  |             |            |         |      | 18     | 13,436  | 493        | 11,906  | 450       |         |
| 22,23,31,32,33,34,35,41,42,43, |                       |                             | 8   | NON-AI DAUGHTERS | 10          | 11,833     | 3.6     | 427  |        |         |            |         |           |         |
| 45,46,47,48,50,51,52,54,55,56, |                       |                             | 8   | WITH HERD-MATES  | 10          | 11,833     | 3.6     | 427  |        |         |            |         |           |         |
| 61,63,65,74,82,84,87,91,92,93  |                       |                             |     |                  |             |            |         |      | 13     | 13,333  | 475        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | DIFF.  | 1500-   | 48-        |         |           |         |
| 1210241                        | STDDKEYHOLM           | PETE KING - TWIN.....       |     |                  |             |            |         |      |        |         |            |         |           |         |
| 07-11-52                       | 1111466               | 2614554                     | 22  | NON-AI DAUGHTERS | 50          | 13,418     | 3.7     | 497  |        |         |            |         |           |         |
| STATES-                        | 32,34                 |                             | 19  | WITH HERD-MATES  | 41          | 13,433     | 3.7     | 503  |        |         |            |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | 10     | 13,753  | 516        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | OIFF.  | 320-    | 13-        |         |           |         |
| 1210286                        | RAG APPLE             | SDVEREIGN TEXAL - TWIN..... |     |                  |             |            |         |      |        |         |            |         |           |         |
| 04-05-53                       | 977110                | 2857008                     | 123 | AI DAUGHTERS-25* | 123         | 14,510     | 3.6     | 521  |        |         |            |         |           |         |
| AI STUO,                       | 31-01                 | LISTED, 05-64               | 120 | WITH HERD-MATES  | 120         | 14,510     | 3.6     | 521  |        |         |            |         |           |         |
| STATES-                        | 21,23,31,32,55,74,84  |                             |     |                  |             |            |         |      | 15     | 14,246  | 518        | 12,868  | 463       |         |
|                                |                       |                             |     |                  |             |            |         |      | OIFF.  | 264     | 3          |         |           |         |
|                                |                       |                             | 66  | NDN-AI DAUGHTERS | 154         | 14,125     | 3.7     | 517  |        |         |            |         |           |         |
|                                |                       |                             | 66  | WITH HERD-MATES  | 153         | 14,125     | 3.7     | 517  |        |         |            |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | 12     | 13,838  | 516        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | DIFF.  | 287     | 1          |         |           |         |
| 1210303                        | MEISEGEIER            | BAXTER.....                 |     |                  |             |            |         |      |        |         |            |         |           |         |
| 10-19-52                       | 894536                | 2480285                     | 15  | AI DAUGHTERS-13  | 15          | 11,070     | 3.8     | 418  |        |         |            |         |           |         |
| AI STUO,                       | 35-02                 | LISTED, 05-64               | 12  | WITH HERD-MATES  | 12          | 11,280     | 3.8     | 428  |        |         |            |         |           |         |
| STATES-                        | 21,35,41,48           |                             |     |                  |             |            |         |      | 43     | 12,687  | 455        | 11,778  | 441       |         |
|                                |                       |                             |     |                  |             |            |         |      | OIFF.  | 1407-   | 27-        |         |           |         |
|                                |                       |                             | 40  | NDN-AI DAUGHTERS | 110         | 13,116     | 4.0     | 521  |        |         |            |         |           |         |
|                                |                       |                             | 39  | WITH HERD-MATES  | 109         | 13,228     | 4.0     | 525  |        |         |            |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | 8      | 13,814  | 542        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | OIFF.  | 586-    | 17-        |         |           |         |
| 1210608                        | SDKDTA GIRL           | F08ES SIX-SPDT.....         |     |                  |             |            |         |      |        |         |            |         |           |         |
| 09-01-52                       | 988958                | 2408323                     | 8   | NON-AI DAUGHTERS | 11          | 12,111     | 3.4     | 415  |        |         |            |         |           |         |
|                                |                       | LISTED, 11-63               | 7   | WITH HERD-MATES  | 10          | 11,732     | 3.4     | 399  |        |         |            |         |           |         |
| STATES-                        | 41,46                 |                             |     |                  |             |            |         |      | 8      | 12,360  | 426        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | OIFF.  | 628-    | 27-        |         |           |         |
| 1210633                        | HARDEN FARMS          | OUKE KENT.....              |     |                  |             |            |         |      |        |         |            |         |           |         |
| 06-20-53                       | 1112211               | 2200823                     | 45  | NDN-AI DAUGHTERS | 122         | 13,320     | 3.4     | 457  |        |         |            |         |           |         |
| STATES-                        | 51,55,58              |                             | 44  | WITH HERD-MATES  | 121         | 13,418     | 3.4     | 461  |        |         |            |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | 12     | 12,375  | 456        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | OIFF.  | 1043    | 5          |         |           |         |
| 1210684                        | HICKDRY CREEK         | CREATOR.....                |     |                  |             |            |         |      |        |         |            |         |           |         |
| 11-12-52                       | 949159                | 2748774                     | 24  | NDN-AI DAUGHTERS | 59          | 12,042     | 3.9     | 471  |        |         |            |         |           |         |
| STATES-                        | 32,33,57,63,91        |                             | 24  | WITH HERD-MATES  | 57          | 12,085     | 3.9     | 472  |        |         |            |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | 12     | 12,368  | 460        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | DIFF.  | 283-    | 12         |         |           |         |
| 1210938                        | CDCHHRAN              | HONEYMAN.....               |     |                  |             |            |         |      |        |         |            |         |           |         |
| 03-01-53                       | 931354                | 3014258                     | 75  | AI DAUGHTERS-25* | 86          | 13,711     | 3.8     | 518  |        |         |            |         |           |         |
| AI STUO,                       | 22-03                 | LISTED, 05-64               | 74  | WITH HERD-MATES  | 84          | 13,767     | 3.8     | 519  |        |         |            |         |           |         |
| STATES-                        | 12,13,14,16,21,22,23, |                             |     |                  |             |            |         |      | 22     | 13,684  | 518        | 12,646  | 461       |         |
| 50,52                          |                       |                             |     |                  |             |            |         |      | DIFF.  | 83      | 1          |         |           |         |
|                                |                       |                             | 66  | NDN-AI DAUGHTERS | 132         | 13,982     | 3.7     | 516  |        |         |            |         |           |         |
|                                |                       |                             | 59  | WITH HERD-MATES  | 121         | 14,105     | 3.7     | 521  |        |         |            |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | 16     | 13,490  | 502        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | DIFF.  | 615     | 19         |         |           |         |
| 1211183                        | WIS RIPPER.....       |                             |     |                  |             |            |         |      |        |         |            |         |           |         |
| 06-19-53                       | 933122                | 2269236                     | 256 | AI DAUGHTERS-25* | 357         | 12,661     | 3.7     | 467  |        |         |            |         |           |         |
| AI STUO,                       | 35-02                 | LISTED, 05-64               | 250 | WITH HERD-MATES  | 350         | 12,633     | 3.7     | 466  |        |         |            |         |           |         |
| STATES-                        | 23,34,35,42,61        |                             |     |                  |             |            |         |      | 14     | 13,237  | 481        | 11,970  | 444       |         |
|                                |                       |                             |     |                  |             |            |         |      | OIFF.  | 604-    | 15-        |         |           |         |
| 1211333                        | ADMIRAL COMET         | 21ST.....                   |     |                  |             |            |         |      |        |         |            |         |           |         |
| 04-28-52                       | 1110594               | 2631241                     | 14  | AI DAUGHTERS-14  | 14          | 12,708     | 4.0     | 502  |        |         |            |         |           |         |
| AI STUO,                       | 31-01                 | LISTED, 05-64               | 12  | WITH HERD-MATES  | 12          | 12,977     | 3.8     | 495  |        |         |            |         |           |         |
| STATES-                        | 14,21,31,33,35,41,50, |                             |     |                  |             |            |         |      | 11     | 12,858  | 464        | 12,550  | 471       |         |
| 51,56,74,84                    |                       |                             |     |                  |             |            |         |      | DIFF.  | 119     | 31         |         |           |         |
|                                |                       |                             | 35  | NDN-AI DAUGHTERS | 88          | 12,700     | 3.8     | 483  |        |         |            |         |           |         |
|                                |                       |                             | 35  | WITH HERD-MATES  | 87          | 12,699     | 3.8     | 483  |        |         |            |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | 20     | 13,379  | 486        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | OIFF.  | 680-    | 3-         |         |           |         |
| 1211384                        | UNH PRESIOENT         | MARVEL.....                 |     |                  |             |            |         |      |        |         |            |         |           |         |
| 07-13-53                       | 1071565               | 2726492                     | 651 | AI DAUGHTERS-25* | 1137        | 13,041     | 3.7     | 488  |        |         |            |         |           |         |
| AI STUO,                       | 11-01                 | LISTED, 05-64               | 597 | WITH HERD-MATES  | 1029        | 13,064     | 3.7     | 489  |        |         |            |         |           |         |
| STATES-                        | 11,12,13,14,16,21,45, |                             |     |                  |             |            |         |      | 15     | 13,007  | 487        | 12,580  | 460       |         |
| 93                             |                       |                             |     |                  |             |            |         |      | DIFF.  | 57      | 2          |         |           |         |
|                                |                       |                             | 1   | NDN-AI DAUGHTERS | 4           | 12,143     | 3.5     | 427  |        |         |            |         |           |         |
|                                |                       |                             | 1   | WITH HERD-MATES  | 4           | 12,143     | 3.5     | 427  |        |         |            |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | 8      | 11,419  | 441        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | OIFF.  | 724     | 14-        |         |           |         |
| 1212028                        | SUTLANO PRINCE        | GRACIDUS GEDRGE.....        |     |                  |             |            |         |      |        |         |            |         |           |         |
| 03-14-53                       | 955493                | 2957188                     | 50  | NON-AI DAUGHTERS | 86          | 11,586     | 3.9     | 451  |        |         |            |         |           |         |
|                                |                       | LISTED, 08-62               | 50  | WITH HERD-MATES  | 86          | 11,586     | 3.9     | 451  |        |         |            |         |           |         |
| STATES-                        | 51                    |                             |     |                  |             |            |         |      | 17     | 12,225  | 468        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | OIFF.  | 639-    | 17-        |         |           |         |
| 1212131                        | .....                 |                             |     |                  |             |            |         |      |        |         |            |         |           |         |
|                                |                       |                             | 5   | NDN-AI DAUGHTERS | 10          | 12,365     | 3.6     | 439  |        |         |            |         |           |         |
| STATES-                        | 21                    |                             | 4   | WITH HERD-MATES  | 9           | 12,973     | 3.5     | 456  |        |         |            |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | 5      | 12,880  | 502        |         |           |         |
|                                |                       |                             |     |                  |             |            |         |      | DIFF.  | 93      | 46-        |         |           |         |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN  | AV. PRODUCTION OF   |        |        |     | AOJ. HERO-MATES | AV.    | PREDICTED | AV.        |
|---|---------------------|--------|--------|-----|-----------------|--------|-----------|------------|
|   | RECORDS             | MILK   | TEST   | FAT | AV. MILK        | FAT    | MILK      | FAT        |
|   | NUMBER              | LB     | %      | LB  | NUMBER          | LB     | LB        | LB         |
| 1212173 ELKENDALE OE KOL ICHABOD.....   |                     |        |        |     |                 |        |           |            |
| 10-22-52 956081 2508336 20 AI DAUGHTERS-15  | 20                  | 10,929 | 3.9    | 421 |                 |        |           |            |
| AI STUD, 35-75 LISTED, 05-64 19 WITH HERD-MATES   | 19                  | 10,997 | 3.8    | 421 | 16              | 12,180 | 457       | 11,732 433 |
| STATES- 21,22,23,51,52,55,57, 64  |                     |        |        |     | OIFF. 1183-     | 36-    |           |            |
|   | 21 NON-AI DAUGHTERS | 49     | 14,079 | 3.6 | 507             |        |           |            |
|   | 21 WITH HERD-MATES  | 48     | 14,091 | 3.6 | 507             | 15     | 14,034    | 511        |
|   |                     |        |        |     | OIFF. 57        | 4-     |           |            |
| 1212278 FDBES OUNLDGGIN PHILIP.....   |                     |        |        |     |                 |        |           |            |
| 02-18-52 856661 3335958 13 NON-AI DAUGHTERS   | 14                  | 15,042 | 3.3    | 499 |                 |        |           |            |
| LISTED, 03-64 10 WITH HERD-MATES  | 11                  | 14,828 | 3.3    | 484 | 9               | 14,903 | 514       |            |
| STATES- 31  |                     |        |        |     | OIFF. 75-       | 30-    |           |            |
| 1212343 BURRILANE CRUSADER MAOCAP.....  |                     |        |        |     |                 |        |           |            |
| 02-18-53 967706 2308553 51 NON-AI DAUGHTERS   | 104                 | 13,177 | 3.9    | 514 |                 |        |           |            |
| AI STUD, 93-05 LISTED, 05-64 43 WITH HERD-MATES   | 90                  | 13,482 | 3.9    | 528 | 16              | 13,709 | 515       |            |
| STATES- 82,91,92  |                     |        |        |     | OIFF. 227-      | 13     |           |            |
| 1212395 SHAWS GOLOEN TIOY FERN SIOE.....  |                     |        |        |     |                 |        |           |            |
| 08-08-53 892522 2586311 589 AI DAUGHTERS-25*  | 1116                | 12,663 | 3.7    | 472 |                 |        |           |            |
| AI STUD, 11-01 LISTED, 05-64 559 WITH HERD-MATES  | 1053                | 12,651 | 3.7    | 472 | 14              | 12,873 | 483       | 12,294 447 |
| STATES- 11,12,13,14,16,21,23  |                     |        |        |     | OIFF. 222-      | 11-    |           |            |
|   | 5 NDN-AI DAUGHTERS  | 11     | 12,469 | 3.6 | 454             |        |           |            |
|   | 5 WITH HERD-MATES   | 11     | 12,469 | 3.6 | 454             | 9      | 12,048    | 445        |
|   |                     |        |        |     | OIFF. 421       | 9      |           |            |
| 1212419 LDS RO8LES EMPEROR SPARKIE.....   |                     |        |        |     |                 |        |           |            |
| 03-27-53 1057923 3142498 6 NON-AI DAUGHTERS   | 10                  | 13,042 | 3.8    | 501 |                 |        |           |            |
| LISTED, 05-64 6 WITH HERD-MATES   | 10                  | 13,042 | 3.8    | 501 | 99              | 15,508 | 591       |            |
| STATES- 93  |                     |        |        |     | OIFF. 2466-     | 90-    |           |            |
| 1212420 SILVERADO SIR INKA JET.....   |                     |        |        |     |                 |        |           |            |
| 02-23-52 1050123 2901662 91 AI DAUGHTERS-25*  | 185                 | 12,845 | 3.6    | 458 |                 |        |           |            |
| AI STUD, 42-08 LISTED, 05-64 90 WITH HERD-MATES   | 184                 | 12,807 | 3.6    | 457 | 20              | 12,160 | 436       | 13,013 472 |
| STATES- 42  |                     |        |        |     | OIFF. 647       | 21     |           |            |
| 1212720 SUNNYSIDE WAYNE MDNARCH.....  |                     |        |        |     |                 |        |           |            |
| 04-15-53 1041509 2798396 16 NDN-AI DAUGHTERS  | 28                  | 13,754 | 3.8    | 517 |                 |        |           |            |
| LISTED, 03-64 16 WITH HERD-MATES  | 28                  | 13,754 | 3.8    | 517 | 31              | 12,368 | 456       |            |
| STATES- 51,52   |                     |        |        |     | OIFF. 1386      | 61     |           |            |
| 1212797 JACK PABST DUNLDGGIN.....   |                     |        |        |     |                 |        |           |            |
| 08-21-53 1104657 3242505 10 NDN-AI DAUGHTERS  | 18                  | 9,790  | 3.7    | 365 |                 |        |           |            |
| LISTED, 01-63 10 WITH HERD-MATES  | 18                  | 9,790  | 3.7    | 365 | 13              | 10,893 | 383       |            |
| STATES- 33  |                     |        |        |     | OIFF. 1103-     | 18-    |           |            |
| 1212892 8 O ISDVAUGDV LINK.....   |                     |        |        |     |                 |        |           |            |
| 04-02-53 977110 3219388 9 NDN-AI DAUGHTERS  | 13                  | 12,991 | 3.5    | 450 |                 |        |           |            |
| LISTED, 01-63 9 WITH HERD-MATES   | 13                  | 12,991 | 3.5    | 450 | 18              | 16,252 | 597       |            |
| STATES- 14  |                     |        |        |     | OIFF. 3261-     | 147-   |           |            |
| 1212948 TULANE PABST DEAN WALKER LAD.....   |                     |        |        |     |                 |        |           |            |
| 10-19-52 981360 3130814 11 NON-AI DAUGHTERS   | 15                  | 10,435 | 3.8    | 395 |                 |        |           |            |
| LISTED, 08-63 9 WITH HERD-MATES   | 13                  | 9,130  | 3.9    | 355 | 45              | 10,446 | 391       |            |
| STATES- 32  |                     |        |        |     | OIFF. 1316-     | 36-    |           |            |
| 1213135 QUALITY ZEUS NEBRASKA PAUL.....   |                     |        |        |     |                 |        |           |            |
| 05-14-53 1105280 2503573 411 AI DAUGHTERS-25*   | 770                 | 13,215 | 3.7    | 493 |                 |        |           |            |
| AI STUD, 23-07 LISTED, 03-64 404 WITH HERD-MATES  | 758                 | 13,222 | 3.7    | 492 | 16              | 13,150 | 487       | 12,607 463 |
| STATES- 14,23,50,51,52  |                     |        |        |     | OIFF. 72        | 5      |           |            |
| 1213164 WINTERTHUR ZEUS VICTOR ILEX.....  |                     |        |        |     |                 |        |           |            |
| 03-21-53 931354 2962833 1129 AI DAUGHTERS-25*   | 1199                | 13,549 | 3.6    | 494 |                 |        |           |            |
| AI STUD, 21-01 LISTED, 05-64 1112 WITH HERD-MATES                                       | 1180                | 13,567 | 3.6    | 494 | 23              | 14,178 | 514       | 12,040 441 |
| STATES- 13,21,23,47,57  |                     |        |        |     | OIFF. 611-      | 20-    |           |            |
|   | 63 NDN-AI DAUGHTERS | 176    | 13,863 | 3.6 | 499             |        |           |            |
|   | 62 WITH HERD-MATES  | 175    | 13,898 | 3.6 | 501             | 14     | 14,286    | 512        |
|   |                     |        |        |     | OIFF. 388-      | 11-    |           |            |
| 1213507 .....   |                     |        |        |     |                 |        |           |            |
|   | 5 NDN-AI DAUGHTERS  | 5      | 11,436 | 3.3 | 376             |        |           |            |
| STATES- 31  | 5 WITH HERD-MATES   | 5      | 11,436 | 3.3 | 376             | 8      | 12,500    | 413        |
|   |                     |        |        |     | OIFF. 1064-     | 37-    |           |            |
| 1213698 OAWNVALE SDVEREIGN ARAB.....  |                     |        |        |     |                 |        |           |            |
| 08-26-53 951058 2841126 16 AI DAUGHTERS-16  | 16                  | 10,997 | 3.7    | 405 |                 |        |           |            |
| AI STUD, 16-04 LISTED, 05-64 15 WITH HERD-MATES   | 15                  | 11,147 | 3.7    | 409 | 10              | 12,656 | 475       | 11,651 420 |
| STATES- 13,14,16,21,22,23,51, 52,56,57  |                     |        |        |     | OIFF. 1509-     | 66-    |           |            |
|   | 53 NDN-AI DAUGHTERS | 82     | 14,704 | 4.0 | 583             |        |           |            |
|   | 53 WITH HERD-MATES  | 82     | 14,704 | 4.0 | 583             | 18     | 14,852    | 539        |
|   |                     |        |        |     | OIFF. 148-      | 44     |           |            |
| 1213990 LUNDLAND PABST REGAL FDBES.....   |                     |        |        |     |                 |        |           |            |
| 02-04-53 901195 2400761 212 AI DAUGHTERS-25*  | 305                 | 13,637 | 3.8    | 520 |                 |        |           |            |
| AI STUD, 92-01 LISTED, 05-64 193 WITH HERD-MATES  | 279                 | 13,838 | 3.8    | 527 | 25              | 13,810 | 507       | 12,623 479 |
| STATES- 81,91,92  |                     |        |        |     | OIFF. 28        | 20     |           |            |
|   | 19 NDN-AI DAUGHTERS | 41     | 12,557 | 4.1 | 509             |        |           |            |
|   | 16 WITH HERD-MATES  | 37     | 12,309 | 4.0 | 494             | 14     | 12,588    | 478        |
|   |                     |        |        |     | OIFF. 279-      | 16     |           |            |
| 1214027 MEADOW DRMSBY FDBES LAD.....  |                     |        |        |     |                 |        |           |            |
| 10-08-52 1056882 2472289 68 AI DAUGHTERS-25*  | 70                  | 10,726 | 3.7    | 393 |                 |        |           |            |
| AI STUD, 41-01 LISTED, 05-64 66 WITH HERD-MATES   | 67                  | 10,763 | 3.7    | 394 | 15              | 12,509 | 448       | 11,008 409 |
| STATES- 35,41,42,45,46  |                     |        |        |     | OIFF. 1746-     | 54-    |           |            |
|   | 35 NDN-AI DAUGHTERS | 84     | 13,632 | 3.7 | 498             |        |           |            |
|   | 35 WITH HERD-MATES  | 82     | 13,646 | 3.7 | 499             | 10     | 13,190    | 470        |
|   |                     |        |        |     | OIFF. 456       | 29     |           |            |
| 1214152 PUGET SOUND ADMIRAL.....  |                     |        |        |     |                 |        |           |            |
| 02-08-53 1175596 2753139 734 AI DAUGHTERS-25*   | 784                 | 13,604 | 3.6    | 494 |                 |        |           |            |
| AI STUD, 35-75 LISTED, 05-64 722 WITH HERD-MATES  | 767                 | 13,635 | 3.6    | 495 | 16              | 13,474 | 491       | 12,727 463 |
| STATES- 21,23,33,34,35,41,42, 43,46,47,48,52,55,57,61,64,71, 73,74,81,82,84,87,91,92,93 |                     |        |        |     | OIFF. 161       | 4      |           |            |
|   | 22 NDN-AI DAUGHTERS | 57     | 14,725 | 3.7 | 538             |        |           |            |
|   | 22 WITH HERD-MATES  | 56     | 14,769 | 3.6 | 539             | 14     | 14,174    | 519        |
|   |                     |        |        |     | OIFF. 595       | 20     |           |            |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN                                 |     |                  |     |        | AV. PRODUCTION OF DAU. |      |      |     | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |
|--|-----|------------------|-----|--------|------------------------|------|------|-----|---------------------|--------|-----|---------------|-----|
|  |     |                  |     |        | RECORDS                | MILK | TEST | FAT | NUMBER              | MILK   | FAT | MILK          | FAT |
|  |     |                  |     |        | NUMBER                 | L8   | %    | L8  |                     | L8     | L8  | L8            | L8  |
| 1214308 WALKUP FIRESTONE MASTER.....     |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
| 08-20-52 863709 2858753                  | 46  | NON-AI DAUGHTERS | 69  | 9,186  | 4.0                    | 366  |      |     |                     |        |     |               |     |
| STATES- 61                               | 46  | WITH HERD-MATES  | 63  | 9,186  | 4.0                    | 366  |      |     | 7                   | 10,031 | 363 |               |     |
|  |     |                  |     |        |                        |      |      |     | OIFF.               | 845-   | 3   |               |     |
| 1214317 JDHANNA CANARY PABST ORMSBY..... |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
| 11-20-52 938770 2669674                  | 136 | AI DAUGHTERS-25* | 216 | 13,470 | 3.7                    | 493  |      |     |                     |        |     |               |     |
| AI STUD, 35-02 LISTED, 05-64             | 133 | WITH HERD-MATES  | 210 | 13,512 | 3.7                    | 495  |      |     | 15                  | 13,088 | 475 | 12,913        | 475 |
| STATES- 22,33,34,35                      |     |                  |     |        |                        |      |      |     | DIFF.               | 424    | 20  |               |     |
|  | 21  | NDN-AI DAUGHTERS | 72  | 14,693 | 3.6                    | 534  |      |     |                     |        |     |               |     |
|  | 21  | WITH HERD-MATES  | 70  | 14,751 | 3.6                    | 535  |      |     | 11                  | 13,501 | 489 |               |     |
|  |     |                  |     |        |                        |      |      |     | OIFF.               | 1250   | 46  |               |     |
| 1214593 CARNATION PDW-WDW.....           |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
| 04-19-53 943802 2313749                  | 20  | NDN-AI DAUGHTERS | 26  | 12,870 | 3.7                    | 470  |      |     |                     |        |     |               |     |
| STATES- 34                               | 20  | WITH HERD-MATES  | 26  | 12,870 | 3.7                    | 470  |      |     | 24                  | 13,728 | 486 |               |     |
|  |     |                  |     |        |                        |      |      |     | DIFF.               | 858-   | 16- |               |     |
| 1214935 TED-ANNE DUKE NAIRN.....         |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
| 03-18-53 1112211 3234958                 | 9   | NDN-AI DAUGHTERS | 15  | 11,309 | 3.3                    | 368  |      |     |                     |        |     |               |     |
| STATES- 21                               | 8   | WITH HERD-MATES  | 13  | 11,756 | 3.3                    | 384  |      |     | 7                   | 11,301 | 411 |               |     |
|  |     |                  |     |        |                        |      |      |     | OIFF.               | 455    | 27- |               |     |
| 1215144 TIOY BURKE CYCLONE CRICKET.....  |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
| 01-03-53 1104364 3210736                 | 56  | NDN-AI DAUGHTERS | 142 | 13,518 | 3.7                    | 497  |      |     |                     |        |     |               |     |
| AI STUD, 23-02 LISTED, 05-64             | 56  | WITH HERD-MATES  | 140 | 13,521 | 3.7                    | 497  |      |     | 8                   | 12,526 | 461 |               |     |
| STATES- 23                               |     |                  |     |        |                        |      |      |     | OIFF.               | 995    | 36  |               |     |
| 1215326 .....                            |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
|  | 11  | NON-AI DAUGHTERS | 12  | 12,294 | 3.6                    | 441  |      |     |                     |        |     |               |     |
| STATES- 13                               | 11  | WITH HERD-MATES  | 11  | 12,320 | 3.6                    | 442  |      |     | 13                  | 12,317 | 449 |               |     |
|  |     |                  |     |        |                        |      |      |     | DIFF.               | 3      | 7-  |               |     |
| 1215402 COCHRAN GENERAL.....             |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
| 08-14-53 959121 3235970                  | 17  | AI DAUGHTERS-15  | 17  | 12,208 | 4.0                    | 484  |      |     |                     |        |     |               |     |
| AI STUD, 23-08 LISTED, 05-64             | 13  | WITH HERD-MATES  | 13  | 12,243 | 3.9                    | 478  |      |     | 9                   | 13,419 | 510 | 11,909        | 441 |
| STATES- 21,23,51,52                      |     |                  |     |        |                        |      |      |     | OIFF.               | 1176-  | 32- |               |     |
|  | 60  | NDN-AI DAUGHTERS | 83  | 13,391 | 4.0                    | 529  |      |     |                     |        |     |               |     |
|  | 58  | WITH HERD-MATES  | 81  | 13,471 | 3.9                    | 530  |      |     | 10                  | 14,187 | 531 |               |     |
|  |     |                  |     |        |                        |      |      |     | OIFF.               | 716-   | 1-  |               |     |
| 1215445 PABST LEAOR REBRIGHT.....        |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
| 08-31-53 915940 2652226                  | 8   | AI DAUGHTERS-04  | 18  | 12,193 | 3.5                    | 428  |      |     |                     |        |     |               |     |
| AI STUD, 72-01 LISTED, 08-62             | 8   | WITH HERD-MATES  | 18  | 12,193 | 3.5                    | 428  |      |     | 28                  | 12,372 | 436 | 12,395        | 451 |
| STATES- 72                               |     |                  |     |        |                        |      |      |     | OIFF.               | 179-   | 8-  |               |     |
| 1215446 PABST JEWEL.....                 |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
| 09-25-53 915940 2870459                  | 5   | NON-AI DAUGHTERS | 11  | 11,755 | 3.8                    | 449  |      |     |                     |        |     |               |     |
| AI STUD, 72-01 LISTED, 05-64             | 5   | WITH HERD-MATES  | 11  | 11,755 | 3.8                    | 449  |      |     | 11                  | 12,864 | 480 |               |     |
| STATES- 23,57,72                         |     |                  |     |        |                        |      |      |     | DIFF.               | 1109-  | 31- |               |     |
| 1215533 .....                            |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
|  | 8   | NON-AI DAUGHTERS | 9   | 11,412 | 3.6                    | 409  |      |     |                     |        |     |               |     |
| STATES- 51                               | 8   | WITH HERD-MATES  | 9   | 11,412 | 3.6                    | 409  |      |     | 8                   | 12,695 | 484 |               |     |
|  |     |                  |     |        |                        |      |      |     | OIFF.               | 1283-  | 75- |               |     |
| 1215610 SRD TEXAS BEAUTY CHIEF.....      |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
| 07-16-53 1042983 3362941                 | 11  | NON-AI DAUGHTERS | 12  | 15,906 | 3.9                    | 619  |      |     |                     |        |     |               |     |
| LISTED, 03-64                            | 11  | WITH HERD-MATES  | 12  | 15,906 | 3.9                    | 619  |      |     | 48                  | 15,372 | 572 |               |     |
| STATES- 74                               |     |                  |     |        |                        |      |      |     | DIFF.               | 534    | 47  |               |     |
| 1215654 .....                            |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
|  | 30  | NDN-AI DAUGHTERS | 53  | 13,175 | 3.2                    | 428  |      |     |                     |        |     |               |     |
| STATES- 41                               | 30  | WITH HERD-MATES  | 53  | 13,175 | 3.2                    | 428  |      |     | 7                   | 12,637 | 438 |               |     |
|  |     |                  |     |        |                        |      |      |     | OIFF.               | 538    | 10- |               |     |
| 1215669 RUSTIC KING COMMANDER.....       |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
| 08-05-53 1041559 3275100                 | 280 | AI DAUGHTERS-25* | 527 | 12,655 | 3.7                    | 472  |      |     |                     |        |     |               |     |
| AI STUD, 11-01 LISTED, 05-64             | 253 | WITH HERD-MATES  | 475 | 12,725 | 3.7                    | 476  |      |     | 15                  | 12,910 | 484 | 12,337        | 450 |
| STATES- 11                               |     |                  |     |        |                        |      |      |     | OIFF.               | 185-   | 8-  |               |     |
| 1215799 .....                            |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
|  | 6   | AI DAUGHTERS-06  | 6   | 13,152 | 3.9                    | 519  |      |     |                     |        |     |               |     |
| AI STUD, 47-01                           | 6   | WITH HERD-MATES  | 6   | 13,152 | 3.9                    | 519  |      |     | 14                  | 12,953 | 478 | 12,553        | 469 |
| STATES- 47                               |     |                  |     |        |                        |      |      |     | DIFF.               | 199    | 41  |               |     |
| 1215895 JULIP JDHANNA ROCK.....          |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
| 08-24-53 831870 2455396                  | 108 | AI DAUGHTERS-25* | 304 | 12,999 | 3.6                    | 463  |      |     |                     |        |     |               |     |
| AI STUD, 21-01                           | 96  | WITH HERD-MATES  | 276 | 12,942 | 3.6                    | 461  |      |     | 15                  | 12,837 | 465 | 12,596        | 452 |
| STATES- 13,16,21,23                      |     |                  |     |        |                        |      |      |     | OIFF.               | 105    | 4-  |               |     |
| 1215957 .....                            |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
|  | 23  | NDN-AI DAUGHTERS | 72  | 14,566 | 3.6                    | 518  |      |     |                     |        |     |               |     |
| STATES- 23,34                            | 22  | WITH HERD-MATES  | 63  | 14,624 | 3.5                    | 519  |      |     | 15                  | 14,477 | 526 |               |     |
|  |     |                  |     |        |                        |      |      |     | DIFF.               | 147    | 7-  |               |     |
| 1215995 AT8ITH TY VIC KING JASDN.....    |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
| 11-25-52 923749 2790993                  | 379 | AI DAUGHTERS-25* | 882 | 12,815 | 3.9                    | 494  |      |     |                     |        |     |               |     |
| AI STUD, 31-01 LISTED, 05-64             | 355 | WITH HERD-MATES  | 840 | 12,865 | 3.8                    | 495  |      |     | 16                  | 12,639 | 473 | 12,704        | 478 |
| STATES- 33,35,41,42,48,54,55,            |     |                  |     |        |                        |      |      |     | DIFF.               | 226    | 22  |               |     |
| 56,64                                    | 4   | NON-AI DAUGHTERS | 8   | 14,329 | 3.6                    | 523  |      |     |                     |        |     |               |     |
|  | 4   | WITH HERD-MATES  | 8   | 14,329 | 3.6                    | 523  |      |     | 9                   | 12,479 | 454 |               |     |
|  |     |                  |     |        |                        |      |      |     | OIFF.               | 1850   | 69  |               |     |
| 1216369 MARLDW REGAL RD8URKE DUKE.....   |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
| 05-02-53 1048418 2648963                 | 24  | NDN-AI DAUGHTERS | 56  | 11,439 | 3.5                    | 402  |      |     |                     |        |     |               |     |
| STATES- 41                               | 24  | WITH HERD-MATES  | 56  | 11,439 | 3.5                    | 402  |      |     | 10                  | 11,093 | 378 |               |     |
|  |     |                  |     |        |                        |      |      |     | DIFF.               | 346    | 24  |               |     |
| 1216431 .....                            |     |                  |     |        |                        |      |      |     |                     |        |     |               |     |
|  | 12  | NDN-AI DAUGHTERS | 28  | 15,317 | 3.5                    | 542  |      |     |                     |        |     |               |     |
| STATES- 13,21                            | 12  | WITH HERD-MATES  | 28  | 15,317 | 3.5                    | 542  |      |     | 32                  | 14,051 | 500 |               |     |
|  |     |                  |     |        |                        |      |      |     | OIFF.               | 1266   | 42  |               |     |

| SIRE OF DHIA DAUGHTERS         |                                    |      |                  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|--------------------------------|------------------------------------|------|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| HOLSTEIN                       |                                    |      |                  | NUMBER      |                       |        |             | NUMBER          |                    |            |                       |        |
| 1216541                        | HALLROSE HAZEL LAODIE BOY.....     |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 07-02-53                       | 1090986 3248983                    | 19   | NON-AI DAUGHTERS | 39          | 14,897                | 3.3    | 498         |                 |                    |            |                       |        |
| STATES- 92                     |                                    | 18   | WITH HERD-MATES  | 38          | 15,251                | 3.3    | 507         | 56              | 13,436             | 483        |                       |        |
|                                |                                    |      |                  |             |                       |        |             | DIFF.           | 1815               | 24         |                       |        |
| 1216567                        | BUOD FARM MASTER DUKE.....         |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 05-19-53                       | 1125174 2017792                    | 901  | AI DAUGHTERS-25* | 1401        | 12,494                | 3.9    | 492         |                 |                    |            |                       |        |
| AI STUO, 42-02                 | LISTED, 05-64                      | 867  | WITH HERD-MATES  | 1351        | 12,492                | 3.9    | 491         | 14              | 12,817             | 467        | 12,187                | 480    |
| STATES- 21,32,33,34,35,41,42,  |                                    |      |                  |             |                       |        |             | OIFF.           | 325-               | 24         |                       |        |
| 43,47,48,64,73,74,84           |                                    | 7    | NON-AI DAUGHTERS | 20          | 13,218                | 4.0    | 530         |                 |                    |            |                       |        |
|                                |                                    | 7    | WITH HERD-MATES  | 20          | 13,218                | 4.0    | 530         | 13              | 12,759             | 456        |                       |        |
|                                |                                    |      |                  |             |                       |        |             | OIFF.           | 459                | 74         |                       |        |
| 1216639                        | ROSE VILLA SIR ADMIRAL TWIN.....   |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 08-04-52                       | 1054221 2780034                    | 18   | NON-AI DAUGHTERS | 38          | 13,988                | 3.4    | 471         |                 |                    |            |                       |        |
|                                | LISTED, 08-62                      | 17   | WITH HERD-MATES  | 37          | 13,888                | 3.4    | 471         | 12              | 13,553             | 478        |                       |        |
| STATES- 35,51                  |                                    |      |                  |             |                       |        |             | DIFF.           | 335                | 7-         |                       |        |
| 1216668                        | POESTENKILL MOOEL ORMSBY.....      |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 07-07-53                       | 1148993 3043657                    | 4    | AI DAUGHTERS-04  |             |                       |        |             |                 |                    |            |                       |        |
| AI STUO, 35-75                 | LISTED, 05-64                      | 4    | WITH HERD-MATES  |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 13,14,16,21,42,84,87   |                                    |      |                  |             |                       |        |             |                 |                    |            |                       |        |
|                                |                                    | 54   | NON-AI DAUGHTERS | 69          | 14,511                | 3.6    | 522         |                 |                    |            |                       |        |
|                                |                                    | 53   | WITH HERD-MATES  | 68          | 14,463                | 3.6    | 521         | 13              | 14,549             | 537        |                       |        |
|                                |                                    |      |                  |             |                       |        |             | OIFF.           | 86-                | 16-        |                       |        |
| 1216709                        | .....                              |      |                  |             |                       |        |             |                 |                    |            |                       |        |
|                                |                                    | 32   | NON-AI DAUGHTERS | 50          | 13,373                | 3.8    | 508         |                 |                    |            |                       |        |
| STATES- 34                     |                                    | 32   | WITH HERD-MATES  | 50          | 13,373                | 3.8    | 508         | 11              | 13,474             | 502        |                       |        |
|                                |                                    |      |                  |             |                       |        |             | DIFF.           | 101-               | 6          |                       |        |
| 1216909                        | CURTISS CANOY PROUD NORSEMAN.....  |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 10-06-53                       | 1056882 3010333                    | 504  | AI DAUGHTERS-25* | 890         | 12,676                | 3.8    | 483         |                 |                    |            |                       |        |
| AI STUO, 33-03                 | LISTED, 05-64                      | 489  | WITH HERD-MATES  | 865         | 12,731                | 3.8    | 484         | 16              | 13,049             | 481        | 12,219                | 461    |
| STATES- 11,12,13,14,15,16,21,  |                                    |      |                  |             |                       |        |             | DIFF.           | 318-               | 3          |                       |        |
| 22,23,31,32,33,34,35,41,42,43, |                                    | 6    | NON-AI DAUGHTERS | 19          | 12,571                | 3.8    | 475         |                 |                    |            |                       |        |
| 45,46,47,48,50,51,52,54,55,73, |                                    | 6    | WITH HERD-MATES  | 19          | 12,571                | 3.8    | 475         | 20              | 12,938             | 475        |                       |        |
| 74,82,87,92,93                 |                                    |      |                  |             |                       |        |             | DIFF.           | 367-               |            |                       |        |
| 1216957                        | JESS PABST LEADER.....             |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 09-06-53                       | 915940 2987495                     | 2077 | AI DAUGHTERS-25* | 3857        | 13,281                | 3.7    | 498         |                 |                    |            |                       |        |
| AI STUO, 33-03                 | LISTED, 05-64                      | 2023 | WITH HERD-MATES  | 3767        | 13,293                | 3.8    | 499         | 16              | 13,125             | 482        | 12,702                | 475    |
| STATES- 11,12,13,14,15,16,21,  |                                    |      |                  |             |                       |        |             | OIFF.           | 168                | 17         |                       |        |
| 22,23,31,32,33,34,35,41,42,43, |                                    |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 46,47,48,50,51,52,54,55,56,57, |                                    |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 58,61,63,64,71,73,74,82,84,87, |                                    |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 91,92,93,94                    |                                    |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 1216992                        | WINOY SHAOE 7/8 POSCH OUNFLO.....  |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 10-26-53                       | 1140916 2967575                    | 62   | NON-AI DAUGHTERS | 94          | 15,097                | 3.5    | 533         |                 |                    |            |                       |        |
|                                | LISTED, 08-63                      | 62   | WITH HERD-MATES  | 94          | 15,097                | 3.5    | 533         | 55              | 15,032             | 557        |                       |        |
| STATES- 31,51,61               |                                    |      |                  |             |                       |        |             | DIFF.           | 65                 | 24-        |                       |        |
| 1217100                        | BEL VESTA PAUL SIGNALMAN.....      |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 07-29-51                       | 1072326 3185647                    | 57   | AI DAUGHTERS-25* | 95          | 11,898                | 3.7    | 440         |                 |                    |            |                       |        |
| AI STUO, 47-01                 | LISTED, 05-64                      | 53   | WITH HERD-MATES  | 89          | 11,723                | 3.7    | 433         | 25              | 12,795             | 467        | 11,629                | 428    |
| STATES- 47                     |                                    |      |                  |             |                       |        |             | OIFF.           | 1072-              | 34-        |                       |        |
|                                |                                    | 22   | NON-AI DAUGHTERS | 41          | 11,637                | 3.9    | 455         |                 |                    |            |                       |        |
|                                |                                    | 18   | WITH HERD-MATES  | 29          | 11,738                | 4.0    | 470         | 6               | 12,235             | 460        |                       |        |
|                                |                                    |      |                  |             |                       |        |             | DIFF.           | 497-               | 10         |                       |        |
| 1217138                        | SWAM COLANTHA MATADOR FOBES.....   |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 07-16-53                       | 883101 2412392                     | 8    | NON-AI DAUGHTERS | 9           | 13,516                | 3.5    | 470         |                 |                    |            |                       |        |
|                                | LISTED, 11-63                      | 8    | WITH HERD-MATES  | 9           | 13,516                | 3.5    | 470         | 14              | 12,908             | 483        |                       |        |
| STATES- 23,51                  |                                    |      |                  |             |                       |        |             | OIFF.           | 608                | 13-        |                       |        |
| 1217478                        | MEADOW SPRINGS BARON AIM.....      |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 06-13-53                       | 1127032 2630850                    | 53   | NON-AI DAUGHTERS | 94          | 15,009                | 3.9    | 588         |                 |                    |            |                       |        |
| AI STUO, 51-02                 | LISTED, 05-64                      | 53   | WITH HERD-MATES  | 91          | 15,038                | 3.9    | 588         | 13              | 14,944             | 566        |                       |        |
| STATES- 23,51,52,55,61         |                                    |      |                  |             |                       |        |             | OIFF.           | 94                 | 22         |                       |        |
| 1217611                        | SIR KILLY8RACKEN ENCORE PUNCH..... |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 07-20-53                       | 1089999 2993544                    | 36   | AI DAUGHTERS-25* | 36          | 11,849                | 3.5    | 419         |                 |                    |            |                       |        |
| AI STUO, 35-75                 | LISTED, 05-64                      | 36   | WITH HERD-MATES  | 36          | 11,849                | 3.5    | 419         | 21              | 12,438             | 447        | 12,027                | 433    |
| STATES- 23,33,35,42,43,47,48,  |                                    |      |                  |             |                       |        |             | OIFF.           | 589-               | 28-        |                       |        |
| 56,57,64,73,74,84,93           |                                    | 25   | NON-AI DAUGHTERS | 72          | 13,763                | 3.7    | 506         |                 |                    |            |                       |        |
|                                |                                    | 24   | WITH HERD-MATES  | 71          | 13,583                | 3.7    | 499         | 18              | 13,178             | 498        |                       |        |
|                                |                                    |      |                  |             |                       |        |             | DIFF.           | 405                | 1          |                       |        |
| 1217622                        | .....                              |      |                  |             |                       |        |             |                 |                    |            |                       |        |
|                                |                                    | 5    | NON-AI DAUGHTERS | 5           | 13,004                | 3.7    | 479         |                 |                    |            |                       |        |
| STATES- 22                     |                                    | 4    | WITH HERD-MATES  | 4           | 13,333                | 3.7    | 494         | 5               | 10,970             | 364        |                       |        |
|                                |                                    |      |                  |             |                       |        |             | DIFF.           | 2363               | 130        |                       |        |
| 1217800                        | VPI JULIET KORNDYKE.....           |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 10-20-53                       | 860768 2836213                     | 22   | NON-AI DAUGHTERS | 32          | 13,252                | 3.6    | 479         |                 |                    |            |                       |        |
| STATES- 52                     |                                    | 21   | WITH HERD-MATES  | 31          | 13,228                | 3.6    | 477         | 22              | 13,449             | 485        |                       |        |
|                                |                                    |      |                  |             |                       |        |             | OIFF.           | 221-               | 8-         |                       |        |
| 1217977                        | PETE ORMSBY FEARLESS LAD.....      |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 02-15-53                       | 908553 2483127                     | 9    | NON-AI DAUGHTERS | 13          | 12,038                | 3.8    | 459         |                 |                    |            |                       |        |
|                                | LISTED, 11-63                      | 8    | WITH HERD-MATES  | 12          | 12,768                | 3.8    | 488         | 22              | 12,886             | 483        |                       |        |
| STATES- 13                     |                                    |      |                  |             |                       |        |             | OIFF.           | 118-               | 5          |                       |        |
| 1218186                        | MERKING FAYNE OVATION.....         |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 09-22-53                       | 938034 2550406                     | 9    | NON-AI DAUGHTERS | 18          | 13,058                | 3.6    | 474         |                 |                    |            |                       |        |
|                                | LISTED, 08-62                      | 9    | WITH HERD-MATES  | 18          | 13,058                | 3.6    | 474         | 20              | 12,526             | 465        |                       |        |
| STATES- 51,52,55               |                                    |      |                  |             |                       |        |             | DIFF.           | 532                | 9          |                       |        |
| 1218219                        | WIS SPOTLIGHT.....                 |      |                  |             |                       |        |             |                 |                    |            |                       |        |
| 11-01-53                       | 933122 2477373                     | 26   | NON-AI DAUGHTERS | 37          | 11,895                | 3.6    | 424         |                 |                    |            |                       |        |
|                                | LISTED, 03-64                      | 26   | WITH HERD-MATES  | 37          | 11,895                | 3.6    | 424         | 14              | 11,863             | 425        |                       |        |
| STATES- 55,57,63,74            |                                    |      |                  |             |                       |        |             | DIFF.           | 32                 | 1-         |                       |        |



## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                                      |     |                  |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREOICTED AV.         |
|---|-----|------------------|-----|------------------------|---------------------|-----------------------|
|   |     |                  |     | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT              |
|   |     |                  |     | NUMBER L8 % L8         | NUMBER L8 L8        | L8 L8                 |
| 1218293 LAKEFIELD FDBES BARON.....            |     |                  |     |                        |                     |                       |
| 07-01-53 1005816 3122129                      | 499 | AI DAUGHTERS-25* | 956 | 12,998                 | 3.6                 | 466                   |
| AI STUD, 61-01 LISTED, 05-64                  | 446 | WITH HERD-MATES  | 869 | 13,070                 | 3.6                 | 468                   |
| STATES- 23,31,32,33,43,61,63                  |     |                  |     |                        | 15                  | 12,542 454 12,990 469 |
|   |     |                  |     |                        | DIFF.               | 528 14                |
| 1218298 LAKEFIELD FOND DELIGHT FDBES.....     |     |                  |     |                        |                     |                       |
| 11-24-53 1179748 3232651                      | 40  | AI DAUGHTERS-25* | 40  | 11,380                 | 3.7                 | 426                   |
| AI STUD, 23-04 LISTED, 05-64                  | 38  | WITH HERD-MATES  | 38  | 11,388                 | 3.8                 | 428                   |
| STATES- 12,13,14,16,21,22,23,                 |     |                  |     |                        | 8                   | 13,116 493 11,206 409 |
| 32,33,34,35,51,56                             |     |                  |     |                        | OIFF.               | 1728- 65-             |
|   | 70  | NDN-AI DAUGHTERS | 101 | 13,842                 | 3.7                 | 512                   |
|   | 70  | WITH HERD-MATES  | 100 | 13,842                 | 3.7                 | 512                   |
|   |     |                  |     |                        | 23                  | 14,252 534            |
|   |     |                  |     |                        | DIFF.               | 410- 22-              |
| 1218373 NOEL MASTER IMPERIAL.....             |     |                  |     |                        |                     |                       |
| 12-26-52 1094074 3203081                      | 16  | NDN-AI DAUGHTERS | 44  | 13,697                 | 3.6                 | 489                   |
| STATES- 21                                    | 14  | WITH HERD-MATES  | 41  | 13,797                 | 3.6                 | 493                   |
|   |     |                  |     |                        | 11                  | 14,257 524            |
|   |     |                  |     |                        | OIFF.               | 460- 31-              |
| 1218612 DONNANDALE REBURKE LEVDC.....         |     |                  |     |                        |                     |                       |
| 11-05-53 1003598 3113439                      | 12  | NDN-AI DAUGHTERS | 31  | 10,994                 | 3.7                 | 407                   |
| STATES- 21                                    | 11  | WITH HERD-MATES  | 28  | 10,705                 | 3.7                 | 397                   |
|   |     |                  |     |                        | 11                  | 12,830 457            |
|   |     |                  |     |                        | DIFF.               | 2125- 60-             |
| 1218875 JOLLY JACK CURTISS CANDY POSCH.....   |     |                  |     |                        |                     |                       |
| 09-14-51 941567 3764168                       | 18  | NDN-AI DAUGHTERS | 38  | 13,222                 | 3.5                 | 469                   |
| STATES- 51,52,55                              | 18  | WITH HERD-MATES  | 38  | 13,222                 | 3.5                 | 469                   |
|   |     |                  |     |                        | 18                  | 13,355 499            |
|   |     |                  |     |                        | OIFF.               | 133- 30-              |
| 1219218 WOLVERINE BEN-ROD DIAMOND.....        |     |                  |     |                        |                     |                       |
| 09-25-53 1152060 3348829                      | 137 | AI DAUGHTERS-25* | 159 | 12,789                 | 3.6                 | 464                   |
| AI STUD, 34-01 LISTED, 03-64                  | 134 | WITH HERD-MATES  | 156 | 12,807                 | 3.6                 | 463                   |
| STATES- 31,34                                 |     |                  |     |                        | 18                  | 13,245 481 12,142 441 |
|   |     |                  |     |                        | OIFF.               | 438- 18-              |
|   | 4   | NDN-AI DAUGHTERS | 7   | 14,668                 | 3.5                 | 507                   |
|   | 4   | WITH HERD-MATES  | 7   | 14,668                 | 3.5                 | 507                   |
|   |     |                  |     |                        | 10                  | 13,964 499            |
|   |     |                  |     |                        | OIFF.               | 704 8                 |
| 1219354 BON-NOLL ROAMER JULIAN.....           |     |                  |     |                        |                     |                       |
| 10-16-52 859213 3304019                       | 19  | NDN-AI DAUGHTERS | 65  | 14,428                 | 3.7                 | 527                   |
| STATES- 33                                    | 19  | WITH HERD-MATES  | 63  | 14,423                 | 3.6                 | 525                   |
|   |     |                  |     |                        | 6                   | 14,721 520            |
|   |     |                  |     |                        | OIFF.               | 298- 5                |
| 1219589 .....                                 |     |                  |     |                        |                     |                       |
|   | 5   | NDN-AI DAUGHTERS | 15  | 14,351                 | 3.4                 | 489                   |
| STATES- 31                                    | 5   | WITH HERD-MATES  | 15  | 14,351                 | 3.4                 | 489                   |
|   |     |                  |     |                        | 13                  | 12,934 467            |
|   |     |                  |     |                        | DIFF.               | 1417 22               |
| 1219829 FULTON FARMS DUNLDGGIN MASTER.....    |     |                  |     |                        |                     |                       |
| 10-12-53 863709 2736661                       | 12  | NDN-AI DAUGHTERS | 22  | 13,134                 | 3.9                 | 508                   |
| STATES- 52                                    | 11  | WITH HERD-MATES  | 21  | 13,281                 | 3.9                 | 516                   |
|   |     |                  |     |                        | 17                  | 13,533 497            |
|   |     |                  |     |                        | DIFF.               | 252- 19               |
| 1219956 .....                                 |     |                  |     |                        |                     |                       |
|   | 7   | NDN-AI DAUGHTERS | 9   | 11,764                 | 3.7                 | 438                   |
| STATES- 73                                    | 7   | WITH HERD-MATES  | 9   | 11,764                 | 3.7                 | 438                   |
|   |     |                  |     |                        | 4                   | 11,463 432            |
|   |     |                  |     |                        | DIFF.               | 301 6                 |
| 1220065 MORGANS MONOGRAM RAG APPLE -TWIN..... |     |                  |     |                        |                     |                       |
| 10-30-53 010215078 3749422                    | 11  | NDN-AI DAUGHTERS | 17  | 12,531                 | 3.5                 | 433                   |
| STATES- 73                                    | 11  | WITH HERD-MATES  | 17  | 12,531                 | 3.5                 | 433                   |
|   |     |                  |     |                        | 24                  | 13,284 472            |
|   |     |                  |     |                        | OIFF.               | 753- 39-              |
| 1220191 ALBRECHT PRINCE X AAGGIE.....         |     |                  |     |                        |                     |                       |
| 09-04-53 1189554 2793030                      | 11  | NDN-AI DAUGHTERS | 24  | 14,145                 | 3.3                 | 462                   |
| STATES- 41                                    | 11  | WITH HERD-MATES  | 23  | 13,883                 | 3.2                 | 451                   |
|   |     |                  |     |                        | 11                  | 14,457 501            |
|   |     |                  |     |                        | OIFF.               | 574- 50-              |
| 1220204 CLDVER8RODDK PIETERTJE REGAL.....     |     |                  |     |                        |                     |                       |
| 08-16-53 1131139 2791963                      | 265 | AI DAUGHTERS-25* | 339 | 12,926                 | 3.6                 | 464                   |
| AI STUD, 42-02 LISTED, 05-64                  | 264 | WITH HERD-MATES  | 337 | 12,916                 | 3.6                 | 463                   |
| STATES- 35,41,42,73                           |     |                  |     |                        | 12                  | 12,917 470 12,513 449 |
|   |     |                  |     |                        | DIFF.               | 1- 7-                 |
|   | 26  | NDN-AI DAUGHTERS | 73  | 15,039                 | 3.7                 | 550                   |
|   | 26  | WITH HERD-MATES  | 70  | 15,054                 | 3.7                 | 550                   |
|   |     |                  |     |                        | 6                   | 14,807 517            |
|   |     |                  |     |                        | OIFF.               | 247 33                |
| 1220219 .....                                 |     |                  |     |                        |                     |                       |
|   | 9   | NDN-AI DAUGHTERS | 10  | 12,941                 | 3.4                 | 442                   |
| STATES- 31,48                                 | 9   | WITH HERD-MATES  | 10  | 12,941                 | 3.4                 | 442                   |
|   |     |                  |     |                        | 21                  | 13,067 470            |
|   |     |                  |     |                        | DIFF.               | 126- 28-              |
| 1220653 .....                                 |     |                  |     |                        |                     |                       |
|   | 24  | NDN-AI DAUGHTERS | 48  | 11,415                 | 3.2                 | 362                   |
| STATES- 71                                    | 24  | WITH HERD-MATES  | 48  | 11,415                 | 3.2                 | 362                   |
|   |     |                  |     |                        | 20                  | 10,704 366            |
|   |     |                  |     |                        | DIFF.               | 711 4-                |
| 1220707 ELKHART RDAMER LAD.....               |     |                  |     |                        |                     |                       |
| 12-21-53 1144623 2800476                      | 36  | NDN-AI DAUGHTERS | 100 | 15,112                 | 3.9                 | 587                   |
| AI STUD, 35-75 LISTED, 05-64                  | 35  | WITH HERD-MATES  | 98  | 15,151                 | 3.9                 | 586                   |
| STATES- 35                                    |     |                  |     |                        | 6                   | 15,855 605            |
|   |     |                  |     |                        | DIFF.               | 704- 19-              |
| 1220899 LDGWDD MISTER PENN.....               |     |                  |     |                        |                     |                       |
| 05-26-53 1117039 2227703                      | 11  | NDN-AI DAUGHTERS | 15  | 10,938                 | 3.8                 | 417                   |
| STATES- 23,51                                 | 11  | WITH HERD-MATES  | 14  | 11,217                 | 3.8                 | 426                   |
|   |     |                  |     |                        | 22                  | 11,300 420            |
|   |     |                  |     |                        | DIFF.               | 83- 6                 |
| 1221226 SMOXY HILL WHIRLWIND MARK.....        |     |                  |     |                        |                     |                       |
| 12-04-53 1068870 3376604                      | 14  | NDN-AI DAUGHTERS | 28  | 15,961                 | 3.5                 | 556                   |
| AI STUD, 35-75 LISTED, 05-64                  | 13  | WITH HERD-MATES  | 26  | 16,098                 | 3.5                 | 559                   |
| STATES- 48,84                                 |     |                  |     |                        | 13                  | 13,717 500            |
|   |     |                  |     |                        | DIFF.               | 2381 59               |
| 1221556 .....                                 |     |                  |     |                        |                     |                       |
|   | 5   | NDN-AI DAUGHTERS | 10  | 12,656                 | 3.9                 | 488                   |
| STATES- 82                                    | 4   | WITH HERD-MATES  | 8   | 12,478                 | 3.8                 | 471                   |
|   |     |                  |     |                        | 8                   | 12,754 471            |
|   |     |                  |     |                        | DIFF.               | 276-                  |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN   |                     |      |        | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. |             | PREDICTED AV.         |
|--|---------------------|------|--------|------------------------|---------------------|-------------|-----------------------|
|  |                     |      |        | RECORDS MILK TEST FAT  | AV. MILK FAT        |             | MILK FAT              |
|  |                     |      |        | NUMBER L8 % L8         | NUMBER L8 L8        |             | L8 L8                 |
| 1221754 SKOKIE GOLDEN STYLIST.....                                 |                     |      |        |                        |                     |             |                       |
| 04-09-53 1079736 2900034 181                                       | AI DAUGHTERS-25*    | 203  | 12,990 | 3.8                    | 498                 |             |                       |
| AI STUD, 22-03 LISTED, 05-64 178                                   | WITH HERD-MATES     | 198  | 13,026 | 3.8                    | 499                 | 29          | 13,392 497 12,216 461 |
| STATES- 16,21,22,23,51   |                     |      |        |                        |                     | DIFF. 366-  | 2                     |
|  | 4 NON-AI DAUGHTERS  | 10   | 11,501 | 3.7                    | 429                 | 17          | 12,338 454            |
|  | 4 WITH HERD-MATES   | 9    | 11,763 | 3.7                    | 435                 | DIFF. 575-  | 19-                   |
| 1221761 SKOKIE GOLDEN BELL 8DY.....                                |                     |      |        |                        |                     |             |                       |
| 10-23-53 1079736 2878339 325                                       | AI DAUGHTERS-25*    | 603  | 14,020 | 3.8                    | 529                 |             |                       |
| AI STUD, 31-02 LISTED, 05-64 315                                   | WITH HERD-MATES     | 587  | 14,074 | 3.8                    | 531                 | 16          | 13,180 481 13,397 506 |
| STATES- 16,23,31,32,34,35,41, 43,52,54,55,56,74,84                 |                     |      |        |                        |                     | DIFF. 894   | 50                    |
|  | 1 NON-AI DAUGHTERS  | 1    | 12,280 | 3.8                    | 461                 | 14          | 14,610 529            |
|  | 1 WITH HERD-MATES   | 1    | 12,280 | 3.8                    | 461                 | DIFF. 2330- | 68-                   |
| 1221775 LDS RD8LES EMPERDR DE KDL.....                             |                     |      |        |                        |                     |             |                       |
| 09-15-53 1153094 2880814 46  | AI DAUGHTERS-18     | 92   | 11,802 | 3.7                    | 441                 |             |                       |
| AI STUD, 42-08 LISTED, 05-64 45                                    | WITH HERD-MATES     | 90   | 11,885 | 3.7                    | 443                 | 22          | 12,095 448 12,278 450 |
| STATES- 42   |                     |      |        |                        |                     | DIFF. 210-  | 5-                    |
|  | 5 NON-AI DAUGHTERS  | 15   | 11,348 | 3.7                    | 422                 | 18          | 11,547 427            |
|  | 5 WITH HERD-MATES   | 15   | 11,348 | 3.7                    | 422                 | DIFF. 199-  | 5-                    |
| 1221781 .....  |                     |      |        |                        |                     |             |                       |
|  | 5 NON-AI DAUGHTERS  | 5    | 10,680 | 3.6                    | 381                 |             |                       |
| STATES- 23,50  | 5 WITH HERD-MATES   | 5    | 10,680 | 3.6                    | 381                 | 8           | 9,866 351             |
|  |                     |      |        |                        |                     | DIFF. 814   | 30                    |
| 1221786 .....  |                     |      |        |                        |                     |             |                       |
|  | 28 NON-AI DAUGHTERS | 52   | 11,399 | 3.8                    | 438                 |             |                       |
| STATES- 32   | 28 WITH HERD-MATES  | 49   | 11,432 | 3.8                    | 437                 | 5           | 11,906 446            |
|  |                     |      |        |                        |                     | DIFF. 474-  | 9-                    |
| 1221835 COLLINS-CREST REBURKE DUKE.....                            |                     |      |        |                        |                     |             |                       |
| 09-10-53 1112211 2939103 126                                       | AI DAUGHTERS-25*    | 128  | 13,916 | 3.6                    | 503                 |             |                       |
| AI STUD, 21-01 LISTED, 05-64 124                                   | WITH HERD-MATES     | 125  | 14,023 | 3.6                    | 506                 | 23          | 13,837 500 12,765 464 |
| STATES- 13,21,23   |                     |      |        |                        |                     | DIFF. 186   | 6                     |
|  | 45 NON-AI DAUGHTERS | 134  | 15,770 | 3.4                    | 538                 | 14          | 13,948 482            |
|  | 44 WITH HERD-MATES  | 132  | 15,819 | 3.4                    | 539                 | DIFF. 1871  | 57                    |
| 1221917 F08ES PAULINE KDRNDYKE BURKE.....                          |                     |      |        |                        |                     |             |                       |
| 03-13-53 860768 2628734 983  | AI DAUGHTERS-25*    | 1675 | 12,794 | 3.6                    | 457                 |             |                       |
| AI STUD, 52-01 LISTED, 05-64 924                                   | WITH HERD-MATES     | 1570 | 12,865 | 3.6                    | 459                 | 22          | 12,653 464 12,696 451 |
| STATES- 52,55  |                     |      |        |                        |                     | DIFF. 212   | 5-                    |
|  | 9 NON-AI DAUGHTERS  | 18   | 11,508 | 3.6                    | 416                 | 15          | 12,613 466            |
|  | 9 WITH HERD-MATES   | 17   | 11,463 | 3.6                    | 413                 | DIFF. 1150- | 53-                   |
| 1221949 LAKE RANCH SIR META PDSCH KING.....                        |                     |      |        |                        |                     |             |                       |
| 08-27-52 825106 3100849 64   | AI DAUGHTERS-11     | 71   | 14,734 | 3.8                    | 560                 |             |                       |
| AI STUD, 93-01 LISTED, 05-64 37                                    | WITH HERD-MATES     | 42   | 15,255 | 3.7                    | 566                 | 80          | 16,039 549 12,151 475 |
| STATES- 93   |                     |      |        |                        |                     | DIFF. 784-  | 17                    |
| 1222048 KIL-8AR TREASURE ELM RIDGE.....                            |                     |      |        |                        |                     |             |                       |
| 10-07-53 1114547 2896978 393                                       | AI DAUGHTERS-25*    | 438  | 12,831 | 3.9                    | 502                 |             |                       |
| AI STUD, 41-25 LISTED, 05-64 381                                   | WITH HERD-MATES     | 422  | 12,856 | 3.9                    | 502                 | 16          | 12,961 475 12,417 483 |
| STATES- 33,35,41,42,45   |                     |      |        |                        |                     | DIFF. 105-  | 27                    |
|  | 27 NON-AI DAUGHTERS | 55   | 15,037 | 3.9                    | 589                 | 15          | 14,165 519            |
|  | 27 WITH HERD-MATES  | 55   | 15,037 | 3.9                    | 589                 | DIFF. 872   | 70                    |
| 1222064 .....  |                     |      |        |                        |                     |             |                       |
|  | 19 NON-AI DAUGHTERS | 38   | 12,301 | 3.7                    | 460                 |             |                       |
| STATES- 42   | 19 WITH HERD-MATES  | 38   | 12,301 | 3.7                    | 460                 | 4           | 12,981 460            |
|  |                     |      |        |                        |                     | DIFF. 680-  |                       |
| 1222188 HICKORY CREEK HIS MAJESTY - TWIN.....                      |                     |      |        |                        |                     |             |                       |
| 01-10-54 1111033 2402857 17  | NON-AI DAUGHTERS    | 20   | 15,455 | 3.9                    | 608                 |             |                       |
| LISTED, 11-63 17   | WITH HERD-MATES     | 20   | 15,455 | 3.9                    | 608                 | 12          | 14,291 564            |
| STATES- 34,91  |                     |      |        |                        |                     | DIFF. 1164  | 44                    |
| 1222189 .....  |                     |      |        |                        |                     |             |                       |
|  | 14 NON-AI DAUGHTERS | 41   | 11,865 | 3.6                    | 426                 |             |                       |
| STATES- 33,57,64   | 13 WITH HERD-MATES  | 40   | 12,336 | 3.6                    | 445                 | 9           | 11,500 427            |
|  |                     |      |        |                        |                     | DIFF. 836   | 18                    |
| 1222233 .....  |                     |      |        |                        |                     |             |                       |
|  | 18 NON-AI DAUGHTERS | 33   | 14,814 | 3.8                    | 556                 |             |                       |
| STATES- 31   | 18 WITH HERD-MATES  | 33   | 14,814 | 3.8                    | 556                 | 16          | 14,729 535            |
|  |                     |      |        |                        |                     | DIFF. 85    | 21                    |
| 1222545 .....  |                     |      |        |                        |                     |             |                       |
|  | 15 NON-AI DAUGHTERS | 25   | 11,297 | 3.6                    | 404                 |             |                       |
| STATES- 33   | 15 WITH HERD-MATES  | 25   | 11,297 | 3.6                    | 404                 | 9           | 11,825 434            |
|  |                     |      |        |                        |                     | DIFF. 528-  | 30-                   |
| 1222726 PA8ST LEADER COUNT.....                                    |                     |      |        |                        |                     |             |                       |
| 10-22-53 915940 2933854 203  | AI DAUGHTERS-25*    | 313  | 13,799 | 3.4                    | 467                 |             |                       |
| AI STUD, 35-02 LISTED, 05-64 202                                   | WITH HERD-MATES     | 311  | 13,801 | 3.4                    | 467                 | 16          | 12,897 468 13,361 455 |
| STATES- 22,34,35,41,43,51,61                                       |                     |      |        |                        |                     | DIFF. 904   | 1-                    |
|  | 33 NON-AI DAUGHTERS | 115  | 14,104 | 3.5                    | 498                 | 12          | 13,334 496            |
|  | 33 WITH HERD-MATES  | 114  | 14,130 | 3.5                    | 499                 | DIFF. 796   | 3                     |
| 1222727 PA8ST SIR RAVEN DELL.....                                  |                     |      |        |                        |                     |             |                       |
| 10-17-53 909839 2404144 398  | AI DAUGHTERS-25*    | 943  | 13,073 | 3.7                    | 485                 |             |                       |
| AI STUD, 35-03 LISTED, 05-64 396                                   | WITH HERD-MATES     | 937  | 13,071 | 3.7                    | 485                 | 13          | 13,217 479 12,402 463 |
| STATES- 21,22,23,31,33,34,35, 41,48,51,52,54,56,61,63,65,71, 72,74 |                     |      |        |                        |                     | DIFF. 146-  | 6                     |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN  | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV.   | PREDICTED AV.  |
|---|------------------------|-----------------------|----------------|
| RECORDS MILK TEST FAT NUMBER L8 % L8              | NUMBER MILK L8 % L8    | NUMBER MILK L8 FAT L8 | MILK L8 FAT L8 |
| 1222746 KRD-HOME HOMESTEAD PRINCE.....            |                        |                       |                |
| 12-13-52 943799 3298352 25 NON-AI DAUGHTERS       | 78 11,787 3.8 444      |                       |                |
| AI STUD, 63-02 LISTED, 05-64 25 WITH HERD-MATES   | 78 11,787 3.8 444      | 11 11,880 430         |                |
| STATES- 35,51,55,63                               |                        | DIFF. 93- 14          |                |
| 1222848 .....                                     |                        |                       |                |
| 8 NON-AI DAUGHTERS                                | 10 17,961 3.5 635      |                       |                |
| STATES- 91 8 WITH HERD-MATES                      | 10 17,961 3.5 635      | 22 14,754 539         |                |
|   |                        | DIFF. 3207 96         |                |
| 1222991 .....                                     |                        |                       |                |
| 5 NON-AI DAUGHTERS                                | 12 13,892 3.5 481      |                       |                |
| STATES- 14,21 5 WITH HERD-MATES                   | 12 13,892 3.5 481      | 12 12,076 424         |                |
|   |                        | DIFF. 1816 57         |                |
| 1222994 HARDEN FARMS DUKE MARK.....               |                        |                       |                |
| 11-23-53 1112211 3061491 3 AI DAUGHTERS-03        |                        |                       |                |
| AI STUD, 35-75 LISTED, 05-64 3 WITH HERD-MATES    |                        |                       |                |
| STATES- 13,21,23,55,58,82                         |                        |                       |                |
| 95 NDN-AI DAUGHTERS                               | 203 15,600 3.6 560     |                       |                |
| 94 WITH HERD-MATES                                | 200 15,546 3.6 558     | 18 14,180 510         |                |
|   |                        | DIFF. 1366 48         |                |
| 1222997 HARDEN FARMS DEEN MARVEL.....             |                        |                       |                |
| 01-18-53 877828 2663376 36 NDN-AI DAUGHTERS       | 94 13,794 3.8 521      |                       |                |
| STATES- 21,23,63 28 WITH HERD-MATES               | 66 13,720 3.8 517      | 9 14,026 519          |                |
|   |                        | DIFF. 306- 2-         |                |
| 1223092 NDRVELL STANDARD OVERALL PABST.....       |                        |                       |                |
| 02-02-54 1109725 2760161 36 NDN-AI DAUGHTERS      | 69 13,166 3.8 497      |                       |                |
| STATES- 21,23,51 35 WITH HERD-MATES               | 68 13,131 3.8 498      | 19 13,710 516         |                |
|   |                        | DIFF. 579- 18-        |                |
| 1223228 CYCLONE DOUBLE BURKE.....                 |                        |                       |                |
| 08-29-53 865323 3326424 11 NDN-AI DAUGHTERS       | 17 13,757 4.0 545      |                       |                |
| STATES- 35 LISTED, 08-63 11 WITH HERD-MATES       | 17 13,757 4.0 545      | 22 12,668 493         |                |
|   |                        | DIFF. 1089 52         |                |
| 1223243 WIL-D-WHIT BURKGDV FDBES DAGAN.....       |                        |                       |                |
| 02-18-53 1038509 3140596 387 AI DAUGHTERS-25*     | 592 14,340 3.6 519     |                       |                |
| AI STUD, 87-01 LISTED, 05-64 356 WITH HERD-MATES  | 549 14,446 3.6 522     | 15 13,676 489         | 13,325 490     |
| STATES- 81,82,83,84,87,88                         |                        | DIFF. 770 33          |                |
| 1 NDN-AI DAUGHTERS                                | 4 13,048 3.8 490       |                       |                |
| 1 WITH HERD-MATES                                 | 4 13,048 3.8 490       | 3 13,578 498          |                |
|   |                        | DIFF. 530- 8-         |                |
| 1223325 .....                                     |                        |                       |                |
| 61 NDN-AI DAUGHTERS                               | 144 12,542 3.7 458     |                       |                |
| STATES- 35,61 61 WITH HERD-MATES                  | 142 12,574 3.7 459     | 28 12,134 436         |                |
|   |                        | DIFF. 440 23          |                |
| 1223375 B D I SDVGVOVD JULIAN.....                |                        |                       |                |
| 09-17-53 977110 2933694 26 AI DAUGHTERS-09        | 57 13,009 3.7 484      |                       |                |
| AI STUD, 91-01 LISTED, 05-64 23 WITH HERD-MATES   | 54 13,033 3.7 486      | 42 14,264 520         | 11,787 437     |
| STATES- 55  |                        | DIFF. 1231- 34-       |                |
| 1223428 KING LDMA ROCK PERFECTION.....            |                        |                       |                |
| 04-26-53 1106455 3316482 15 NDN-AI DAUGHTERS      | 16 15,281 3.7 560      |                       |                |
| STATES- 42,45,46 LISTED, 03-64 15 WITH HERD-MATES | 16 15,281 3.7 560      | 8 14,405 541          |                |
|   |                        | DIFF. 876 19          |                |
| 1223558 FDBES RAG APPLE MIKE.....                 |                        |                       |                |
| 09-24-53 1105659 3082086 8 NDN-AI DAUGHTERS       | 18 12,404 3.8 467      |                       |                |
| STATES- 15,34 8 WITH HERD-MATES                   | 18 12,404 3.8 467      | 8 13,921 501          |                |
|   |                        | DIFF. 1517- 34-       |                |
| 1223596 .....                                     |                        |                       |                |
| 8 NDN-AI DAUGHTERS                                | 11 15,423 3.4 517      |                       |                |
| STATES- 81,82,85 8 WITH HERD-MATES                | 11 15,423 3.4 517      | 7 13,526 481          |                |
|   |                        | DIFF. 1897 36         |                |
| 1223650 .....                                     |                        |                       |                |
| 5 NDN-AI DAUGHTERS                                | 5 15,090 3.7 560       |                       |                |
| STATES- 93 5 WITH HERD-MATES                      | 5 15,090 3.7 560       | 86 12,595 471         |                |
|   |                        | DIFF. 2495 89         |                |
| 1223705 DANDY SUZDNE CONQUERDR.....               |                        |                       |                |
| 05-16-53 884335 2303578 11 NDN-AI DAUGHTERS       | 24 12,018 3.6 432      |                       |                |
| STATES- 52,56 LISTED, 08-62 11 WITH HERD-MATES    | 24 12,018 3.6 432      | 19 11,573 425         |                |
|   |                        | DIFF. 445 7           |                |
| 1223904 WINTERTHUR EXCEL ALPHA INKLE.....         |                        |                       |                |
| 10-15-53 1100192 3474858 41 NDN-AI DAUGHTERS      | 114 14,875 3.7 548     |                       |                |
| AI STUD, 52-01 LISTED, 05-64 37 WITH HERD-MATES   | 109 15,138 3.7 562     | 17 13,932 518         |                |
| STATES- 52,55                                     |                        | DIFF. 1206 44         |                |
| 1223921 BRAUNS SUNNY LEA RAVEN.....               |                        |                       |                |
| 07-25-53 909839 2791401 99 AI DAUGHTERS-25*       | 100 11,885 3.5 420     |                       |                |
| AI STUD, 35-75 LISTED, 05-64 92 WITH HERD-MATES   | 92 11,964 3.5 424      | 13 13,147 478         | 11,490 409     |
| STATES- 33,35,41,42,43,46,57, 91,93               |                        | DIFF. 1183- 54-       |                |
| 56 NDN-AI DAUGHTERS                               | 129 13,433 3.6 489     |                       |                |
| 56 WITH HERD-MATES                                | 128 13,460 3.6 489     | 11 13,687 502         |                |
|   |                        | DIFF. 227- 13-        |                |
| 1223954 REDSPEAR PRESIDENT.....                   |                        |                       |                |
| 07-21-53 1152131 2054479 12 NDN-AI DAUGHTERS      | 16 13,151 3.5 458      |                       |                |
| STATES- 46 LISTED, 03-64 11 WITH HERD-MATES       | 15 13,463 3.5 474      | 23 12,467 439         |                |
|   |                        | DIFF. 996 35          |                |
| 1223968 .....                                     |                        |                       |                |
| 5 NDN-AI DAUGHTERS                                | 6 13,814 3.5 489       |                       |                |
| STATES- 23,31 5 WITH HERD-MATES                   | 6 13,814 3.5 489       | 14 14,005 529         |                |
|   |                        | DIFF. 191- 40-        |                |



## SIREs OF DHIA DAUGHTERS

| HDLSTEIN   |     |        |     |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|--|-----|--------|-----|-----|------------------------|---------------------|---------------|
|  |     |        |     |     | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT      |
|  |     |        |     |     | NUMBER LB % LB         | NUMBER LB LB        | LB LB         |
| 1223970 CARNATION MAGIC KID TWIN.....            |     |        |     |     |                        |                     |               |
| 11-30-53 1075872 2806672 322 AI DAUGHTERS-25*    | 508 | 13,824 | 3.5 | 480 |                        |                     |               |
| AI STUD, 87-01 LISTED, 05-64 290 WITH HERD-MATES | 460 | 13,843 | 3.5 | 481 |                        |                     |               |
| STATES- 82,83,84,87,88                           |     |        |     |     | 16                     | 13,533              | 483           |
|  |     |        |     |     | DIFF.                  | 310                 | 2-            |
| 1224102 HICKORY CREEK JURYMAN.....               |     |        |     |     |                        |                     |               |
| 10-03-53 949159 2769619 17 NDN-AI DAUGHTERS      | 41  | 13,159 | 3.6 | 479 |                        |                     |               |
| AI STUD, 35-02 LISTED, 05-64 17 WITH HERD-MATES  | 41  | 13,159 | 3.6 | 479 |                        |                     |               |
| STATES- 32,64                                    |     |        |     |     | 15                     | 13,853              | 513           |
|  |     |        |     |     | DIFF.                  | 694-                | 34-           |
| 1224259 ELMVALE CHIEFTAIN.....                   |     |        |     |     |                        |                     |               |
| 01-09-54 1178025 3076211 43 NDN-AI DAUGHTERS     | 96  | 14,770 | 4.1 | 602 |                        |                     |               |
| STATES- 21 43 WITH HERD-MATES                    | 96  | 14,770 | 4.1 | 602 |                        |                     |               |
|  |     |        |     |     | 10                     | 15,612              | 598           |
|  |     |        |     |     | DIFF.                  | 842-                | 4             |
| 1224316 PA8ST RAVEN KING.....                    |     |        |     |     |                        |                     |               |
| 11-25-53 909839 2741075 74 AI DAUGHTERS-25*      | 79  | 13,684 | 3.6 | 486 |                        |                     |               |
| AI STUD, 35-02 LISTED, 05-64 73 WITH HERD-MATES  | 77  | 13,729 | 3.6 | 489 |                        |                     |               |
| STATES- 34,35                                    |     |        |     |     | 15                     | 13,316              | 482           |
|  |     |        |     |     | DIFF.                  | 413                 | 7             |
|  |     |        |     |     | 12                     | 13,082              | 490           |
|  |     |        |     |     | 25                     | 13,082              | 490           |
|  |     |        |     |     | 9                      | 13,268              | 490           |
|  |     |        |     |     | DIFF.                  | 186-                |               |
| 1224326 PA8ST RAVEN WIN.....                     |     |        |     |     |                        |                     |               |
| 01-12-54 909839 3467027 12 NDN-AI DAUGHTERS      | 16  | 14,671 | 3.8 | 559 |                        |                     |               |
| LISTED, 03-64 12 WITH HERD-MATES                 | 16  | 14,671 | 3.8 | 559 |                        |                     |               |
| STATES- 34                                       |     |        |     |     | 14                     | 15,563              | 570           |
|  |     |        |     |     | DIFF.                  | 892-                | 11-           |
| 1224837 S V F MARID VAR DUTCHLAND.....           |     |        |     |     |                        |                     |               |
| 12-23-53 1017797 2872651 205 AI DAUGHTERS-25*    | 288 | 13,491 | 3.7 | 498 |                        |                     |               |
| AI STUD, 31-01 LISTED, 05-64 199 WITH HERD-MATES | 282 | 13,557 | 3.7 | 501 |                        |                     |               |
| STATES- 21,22,23,31,50,51,74,84                  |     |        |     |     | 20                     | 13,495              | 494           |
|  |     |        |     |     | DIFF.                  | 62                  | 7             |
|  |     |        |     |     | 8                      | 15,857              | 608           |
|  |     |        |     |     | 21                     | 16,365              | 622           |
|  |     |        |     |     | 12                     | 14,858              | 554           |
|  |     |        |     |     | DIFF.                  | 1507                | 68            |
| 1224894 BURRILANE CHIEFTAIN.....                 |     |        |     |     |                        |                     |               |
| 08-22-53 1133486 2090894 26 AI DAUGHTERS-14      | 57  | 13,756 | 3.8 | 520 |                        |                     |               |
| AI STUD, 93-05 LISTED, 05-64 25 WITH HERD-MATES  | 56  | 13,739 | 3.8 | 520 |                        |                     |               |
| STATES- 82,91                                    |     |        |     |     | 16                     | 13,410              | 502           |
|  |     |        |     |     | DIFF.                  | 329                 | 18            |
| 1225305 .....                                    |     |        |     |     |                        |                     |               |
| STATES- 43,92                                    |     |        |     |     | 17                     | 14,182              | 546           |
|  |     |        |     |     | 15                     | 14,753              | 553           |
|  |     |        |     |     | 5                      | 14,182              | 546           |
|  |     |        |     |     | DIFF.                  | 571                 | 7             |
| 1225575 BIRCH KNOLL COFFEYDALE PEARL.....        |     |        |     |     |                        |                     |               |
| 09-24-53 1029659 2553460 1 AI DAUGHTERS-01       |     |        |     |     |                        |                     |               |
| AI STUD, 34-01 LISTED, 05-64 1 WITH HERD-MATES   |     |        |     |     |                        |                     |               |
| STATES- 34                                       |     |        |     |     |                        |                     |               |
|  |     |        |     |     | 25                     | 13,251              | 492           |
|  |     |        |     |     | 25                     | 13,327              | 495           |
|  |     |        |     |     | 9                      | 13,630              | 506           |
|  |     |        |     |     | DIFF.                  | 303-                | 11-           |
| 1225853 SIR HOUTTJE OLIVER PA8ST.....            |     |        |     |     |                        |                     |               |
| 09-01-51 1070036 2481600 240 AI DAUGHTERS-25*    | 414 | 13,338 | 3.8 | 513 |                        |                     |               |
| AI STUD, 35-03 LISTED, 05-64 238 WITH HERD-MATES | 409 | 13,346 | 3.9 | 514 |                        |                     |               |
| STATES- 21,22,23,31,33,34,35,54,55,61,74,87      |     |        |     |     | 15                     | 13,074              | 476           |
|  |     |        |     |     | DIFF.                  | 272                 | 38            |
|  |     |        |     |     | 28                     | 15,633              | 582           |
|  |     |        |     |     | 94                     | 15,607              | 579           |
|  |     |        |     |     | 6                      | 14,321              | 515           |
|  |     |        |     |     | DIFF.                  | 1286                | 64            |
| 1225883 LDNE ELM DEAN WAYNE.....                 |     |        |     |     |                        |                     |               |
| 11-10-53 1109516 2544887 24 NDN-AI DAUGHTERS     | 52  | 12,044 | 3.6 | 439 |                        |                     |               |
| AI STUD, 35-75 LISTED, 05-64 24 WITH HERD-MATES  | 52  | 12,044 | 3.6 | 439 |                        |                     |               |
| STATES- 43                                       |     |        |     |     | 22                     | 11,000              | 396           |
|  |     |        |     |     | DIFF.                  | 1044                | 43            |
| 1225955 CRESTON RAVEN SPARTAN.....               |     |        |     |     |                        |                     |               |
| 12-18-53 909839 3091353 34 NDN-AI DAUGHTERS      | 49  | 11,731 | 3.6 | 425 |                        |                     |               |
| LISTED, 08-63 32 WITH HERD-MATES                 | 47  | 11,748 | 3.6 | 424 |                        |                     |               |
| STATES- 34                                       |     |        |     |     | 13                     | 12,482              | 455           |
|  |     |        |     |     | DIFF.                  | 734-                | 31-           |
| 1226035 RD8INGLEN RAG APPLE DEAN.....            |     |        |     |     |                        |                     |               |
| 12-09-52 854210 2647803 21 AI DAUGHTERS-19       | 41  | 11,745 | 3.9 | 462 |                        |                     |               |
| AI STUD, 22-03 LISTED, 08-62 21 WITH HERD-MATES  | 41  | 11,745 | 3.9 | 462 |                        |                     |               |
| STATES- 21,22,23                                 |     |        |     |     | 25                     | 12,060              | 447           |
|  |     |        |     |     | DIFF.                  | 315-                | 15            |
|  |     |        |     |     | 17                     | 11,494              | 437           |
|  |     |        |     |     | 33                     | 12,021              | 454           |
|  |     |        |     |     | 11                     | 12,397              | 450           |
|  |     |        |     |     | DIFF.                  | 376-                | 4             |
| 1226082 KENJD FASHIDNABLE CNFIDENT.....          |     |        |     |     |                        |                     |               |
| 08-05-53 1046290 2123645 48 NDN-AI DAUGHTERS     | 81  | 13,161 | 3.5 | 465 |                        |                     |               |
| LISTED, 08-63 48 WITH HERD-MATES                 | 81  | 13,161 | 3.5 | 465 |                        |                     |               |
| STATES- 35,41,65                                 |     |        |     |     | 17                     | 13,139              | 477           |
|  |     |        |     |     | DIFF.                  | 22                  | 12-           |
| 1226127 HEERSCHER FLDDO SMOKY SUPREME.....       |     |        |     |     |                        |                     |               |
| 11-23-53 1102214 3107315 30 NDN-AI DAUGHTERS     | 74  | 12,952 | 3.5 | 449 |                        |                     |               |
| STATES- 48 23 WITH HERD-MATES                    | 64  | 13,439 | 3.5 | 465 |                        |                     |               |
|  |     |        |     |     | 13                     | 13,574              | 468           |
|  |     |        |     |     | DIFF.                  | 135-                | 3-            |
| 1226212 GREENAWAY GENERAL RAG APPLE.....         |     |        |     |     |                        |                     |               |
| 02-24-54 1157778 3282002 36 NDN-AI DAUGHTERS     | 81  | 11,763 | 3.6 | 423 |                        |                     |               |
| LISTED, 01-63 36 WITH HERD-MATES                 | 80  | 11,782 | 3.6 | 424 |                        |                     |               |
| STATES- 21                                       |     |        |     |     | 8                      | 12,178              | 443           |
|  |     |        |     |     | DIFF.                  | 396-                | 19-           |
| 1226226 BRAUNS SUNNY LEA CMET.....               |     |        |     |     |                        |                     |               |
| 02-21-53 1092436 3188644 13 NDN-AI DAUGHTERS     | 23  | 11,775 | 3.8 | 444 |                        |                     |               |
| LISTED, 08-63 13 WITH HERD-MATES                 | 23  | 11,775 | 3.8 | 444 |                        |                     |               |
| STATES- 32,35,91                                 |     |        |     |     | 13                     | 12,399              | 452           |
|  |     |        |     |     | DIFF.                  | 624-                | 8-            |
| 1226320 .....                                    |     |        |     |     |                        |                     |               |
| STATES- 54                                       |     |        |     |     | 5                      | 13,208              | 474           |
|  |     |        |     |     | 4                      | 14,271              | 485           |
|  |     |        |     |     | 8                      | 13,208              | 474           |
|  |     |        |     |     | DIFF.                  | 1063                | 11            |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN   |           |           |     |                  | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|--|-----------|-----------|-----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1226332 NORTH CAROLINA PROSPECT EO.....                                      |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 01-08-54   | 813911    | 2615548   | 27  | AI DAUGHTERS-09  | 60          | 14,605                | 3.7    | 543         |                 |                    |            |                   |            |
| AI STUO, 55-01 LISTED, 05-64   |           |           | 27  | WITH HERD-MATES  | 60          | 14,605                | 3.7    | 543         | 40              | 14,388             | 525        | 12,753            | 472        |
| STATES- 55   |           |           |     |                  |             |                       |        |             | DIFF.           | 217                | 18         |                   |            |
| 1226459 FRASEA SEGIS VROUKA JEWEL.....                                       |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 04-23-53   | 010212300 | 010618119 | 157 | AI DAUGHTERS-25* | 167         | 13,344                | 3.8    | 509         |                 |                    |            |                   |            |
| AI STUO, 91-01 LISTED, 05-64   |           |           | 152 | WITH HERD-MATES  | 159         | 13,443                | 3.8    | 511         | 14              | 13,843             | 502        | 12,229            | 468        |
| STATES- 81,82,91   |           |           |     |                  |             |                       |        |             | DIFF.           | 400-               | 9          |                   |            |
|  |           |           | 53  | NON-AI DAUGHTERS | 118         | 13,757                | 3.8    | 529         |                 |                    |            |                   |            |
|  |           |           | 53  | WITH HERD-MATES  | 118         | 13,757                | 3.8    | 529         | 20              | 14,591             | 530        |                   |            |
|  |           |           |     |                  |             |                       |        |             | DIFF.           | 834-               | 1-         |                   |            |
| 1226474 RAVENGLLEN ECHO TRIUNE.....  |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 01-21-53   | 1050848   | 3081602   | 138 | AI DAUGHTERS-25* | 142         | 11,839                | 3.7    | 440         |                 |                    |            |                   |            |
| AI STUO, 33-02 LISTED, 05-64   |           |           | 136 | WITH HERD-MATES  | 140         | 11,930                | 3.7    | 443         | 15              | 12,926             | 479        | 11,606            | 424        |
| STATES- 21,32,33,34,58   |           |           |     |                  |             |                       |        |             | DIFF.           | 996-               | 36-        |                   |            |
|  |           |           | 29  | NON-AI DAUGHTERS | 49          | 12,159                | 3.7    | 451         |                 |                    |            |                   |            |
|  |           |           | 29  | WITH HERD-MATES  | 48          | 12,204                | 3.7    | 453         | 9               | 13,299             | 501        |                   |            |
|  |           |           |     |                  |             |                       |        |             | DIFF.           | 1095-              | 48-        |                   |            |
| 1226862 WIS 8LENO.....   |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 03-17-54   | 933122    | 3111751   | 116 | AI DAUGHTERS-25* | 135         | 13,945                | 3.6    | 500         |                 |                    |            |                   |            |
| AI STUO, 31-02 LISTED, 05-64   |           |           | 113 | WITH HERD-MATES  | 132         | 13,995                | 3.6    | 500         | 31              | 13,497             | 484        | 13,012            | 472        |
| STATES- 31,41,43,48,55,56,64,73,74   |           |           |     |                  |             |                       |        |             | DIFF.           | 498                | 16         |                   |            |
|  |           |           | 42  | NON-AI DAUGHTERS | 104         | 16,522                | 3.5    | 584         |                 |                    |            |                   |            |
|  |           |           | 42  | WITH HERD-MATES  | 104         | 16,522                | 3.5    | 584         | 12              | 14,681             | 530        |                   |            |
|  |           |           |     |                  |             |                       |        |             | DIFF.           | 1841               | 54         |                   |            |
| 1227257 .....  |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|  |           |           | 5   | NON-AI DAUGHTERS | 5           | 13,400                | 3.8    | 504         |                 |                    |            |                   |            |
| STATES- 46   |           |           | 5   | WITH HERD-MATES  | 5           | 13,400                | 3.8    | 504         | 9               | 11,815             | 485        |                   |            |
|  |           |           |     |                  |             |                       |        |             | DIFF.           | 1585               | 19         |                   |            |
| 1227445 MARSH SENATOR JULE CHAMPION.....                                     |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 07-08-53   | 949003    | 2710324   | 18  | NON-AI DAUGHTERS | 42          | 10,927                | 3.6    | 389         |                 |                    |            |                   |            |
| STATES- 31   |           |           | 18  | WITH HERD-MATES  | 40          | 10,927                | 3.6    | 389         | 8               | 11,503             | 410        |                   |            |
|  |           |           |     |                  |             |                       |        |             | DIFF.           | 576-               | 21-        |                   |            |
| 1227449 HOUCKHOLME FOND HOPE PERFECTION.....                                 |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 07-22-53   | 010212300 | 010632146 | 1   | AI DAUGHTERS-01  |             |                       |        |             |                 |                    |            |                   |            |
| AI STUO, 63-03 LISTED, 05-64   |           |           | 1   | WITH HERD-MATES  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 56,63  |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|  |           |           | 13  | NON-AI DAUGHTERS | 36          | 14,321                | 3.4    | 490         |                 |                    |            |                   |            |
|  |           |           | 13  | WITH HERD-MATES  | 35          | 14,355                | 3.4    | 492         | 10              | 15,037             | 545        |                   |            |
|  |           |           |     |                  |             |                       |        |             | DIFF.           | 682-               | 53-        |                   |            |
| 1227623 STENNING FARM LAD HERO.....  |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 12-05-53   | 997481    | 3266605   | 143 | AI DAUGHTERS-25* | 244         | 11,860                | 3.7    | 436         |                 |                    |            |                   |            |
| AI STUO, 33-03 LISTED, 08-63   |           |           | 140 | WITH HERD-MATES  | 236         | 11,847                | 3.7    | 436         | 15              | 12,765             | 468        | 11,653            | 426        |
| STATES- 11,13,14,21,22,23,31,32,33,34,35,41,42,46,48,50,51,52,54,61,84,91,92 |           |           |     |                  |             |                       |        |             | DIFF.           | 918-               | 32-        |                   |            |
|  |           |           | 12  | NON-AI DAUGHTERS | 23          | 11,813                | 3.8    | 450         |                 |                    |            |                   |            |
|  |           |           | 12  | WITH HERD-MATES  | 23          | 11,813                | 3.8    | 450         | 10              | 12,926             | 479        |                   |            |
|  |           |           |     |                  |             |                       |        |             | DIFF.           | 1113-              | 29-        |                   |            |
| 1227684 ECRASO BURKE DONALD.....   |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 02-20-54   | 895911    | 2483902   | 40  | AI DAUGHTERS-25* | 40          | 13,794                | 3.6    | 498         |                 |                    |            |                   |            |
| AI STUO, 31-01 LISTED, 05-64   |           |           | 39  | WITH HERD-MATES  | 39          | 13,855                | 3.6    | 499         | 11              | 14,199             | 513        | 12,341            | 449        |
| STATES- 31,61,74,84  |           |           |     |                  |             |                       |        |             | DIFF.           | 344-               | 14-        |                   |            |
|  |           |           | 15  | NON-AI DAUGHTERS | 26          | 13,681                | 3.6    | 490         |                 |                    |            |                   |            |
|  |           |           | 13  | WITH HERD-MATES  | 24          | 13,746                | 3.6    | 492         | 12              | 13,073             | 474        |                   |            |
|  |           |           |     |                  |             |                       |        |             | DIFF.           | 673                | 18         |                   |            |
| 1227714 ROYAL SUSSEX PROGRESSOR.....   |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 11-06-53   | 1169405   | 3265624   | 65  | AI DAUGHTERS-25* | 69          | 14,171                | 3.7    | 524         |                 |                    |            |                   |            |
| AI STUO, 61-01 LISTED, 05-64   |           |           | 65  | WITH HERD-MATES  | 69          | 14,171                | 3.7    | 524         | 14              | 14,175             | 519        | 12,610            | 464        |
| STATES- 21,22,23,31,50,57,61,74  |           |           |     |                  |             |                       |        |             | DIFF.           | 4-                 | 5          |                   |            |
|  |           |           | 44  | NON-AI DAUGHTERS | 131         | 14,562                | 3.7    | 536         |                 |                    |            |                   |            |
|  |           |           | 44  | WITH HERD-MATES  | 129         | 14,595                | 3.7    | 537         | 10              | 14,588             | 545        |                   |            |
|  |           |           |     |                  |             |                       |        |             | DIFF.           | 7                  | 8-         |                   |            |
| 1227779 PUGET SOUND PRINCE.....  |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 01-01-53   | 1175596   | 3108953   | 19  | NON-AI DAUGHTERS | 51          | 16,297                | 3.4    | 558         |                 |                    |            |                   |            |
| AI STUO, 31-02 LISTED, 05-64   |           |           | 19  | WITH HERD-MATES  | 51          | 16,297                | 3.4    | 558         | 9               | 14,526             | 528        |                   |            |
| STATES- 91   |           |           |     |                  |             |                       |        |             | DIFF.           | 1771               | 30         |                   |            |
| 1228054 REDSTONE SOVEREIGN TESTMASTER.....                                   |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 10-09-53   | 1164044   | 2657770   | 32  | NON-AI DAUGHTERS | 63          | 13,129                | 3.7    | 481         |                 |                    |            |                   |            |
| LISTED, 01-63  |           |           | 32  | WITH HERD-MATES  | 63          | 13,129                | 3.7    | 481         | 29              | 13,339             | 498        |                   |            |
| STATES- 11,13,14,16,21   |           |           |     |                  |             |                       |        |             | DIFF.           | 210-               | 17-        |                   |            |
| 1228114 M A A BURKE HARTOG INKA.....   |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 10-29-53   | 938625    | 2588395   | 28  | NON-AI DAUGHTERS | 51          | 15,093                | 3.8    | 566         |                 |                    |            |                   |            |
| STATES- 92   |           |           | 28  | WITH HERD-MATES  | 51          | 15,093                | 3.8    | 566         | 25              | 15,213             | 570        |                   |            |
|  |           |           |     |                  |             |                       |        |             | DIFF.           | 120-               | 4-         |                   |            |
| 1228325 PDWER FARM CHARLES DICTATOR.....                                     |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 09-17-53   | 1028059   | 2905189   | 8   | NON-AI DAUGHTERS | 10          | 11,968                | 3.5    | 415         |                 |                    |            |                   |            |
| LISTED, 05-64  |           |           | 8   | WITH HERD-MATES  | 10          | 11,968                | 3.5    | 415         | 11              | 13,213             | 467        |                   |            |
| STATES- 81,82,87   |           |           |     |                  |             |                       |        |             | DIFF.           | 1245-              | 52-        |                   |            |
| 1228347 .....  |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|  |           |           | 8   | NON-AI DAUGHTERS | 13          | 12,442                | 3.5    | 438         |                 |                    |            |                   |            |
| STATES- 41   |           |           | 8   | WITH HERD-MATES  | 9           | 12,188                | 3.5    | 428         | 8               | 12,348             | 439        |                   |            |
|  |           |           |     |                  |             |                       |        |             | DIFF.           | 160-               | 11-        |                   |            |
| 1228696 .....  |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|  |           |           | 5   | NON-AI DAUGHTERS | 6           | 11,328                | 3.5    | 393         |                 |                    |            |                   |            |
| STATES- 23,51,52   |           |           | 5   | WITH HERD-MATES  | 6           | 11,328                | 3.5    | 393         | 18              | 11,353             | 417        |                   |            |
|  |           |           |     |                  |             |                       |        |             | DIFF.           | 25-                | 24-        |                   |            |
| 1228880 COUNCIL ROCK DONHEUR SOVEREIGN TWIN.....                             |           |           |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 10-24-53   | 1031755   | 2464060   | 20  | NON-AI DAUGHTERS | 57          | 13,955                | 3.8    | 526         |                 |                    |            |                   |            |
| STATES- 21   |           |           | 20  | WITH HERD-MATES  | 57          | 13,955                | 3.8    | 526         | 13              | 13,432             | 500        |                   |            |
|  |           |           |     |                  |             |                       |        |             | DIFF.           | 523                | 26         |                   |            |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN |                                   |     |                  |      | AV. PRODUCTION OF | DAU. | ADJ. HERD-MATES | AV.   | PREDICTED | AV.  |
|----------|-----------------------------------|-----|------------------|------|-------------------|------|-----------------|-------|-----------|------|
|          |                                   |     |                  |      | RECORDS           | MILK | TEST            | FAT   |           |      |
|          |                                   |     |                  |      | NUMBER            | LB   | %               | LB    | NUMBER    | MILK |
|          |                                   |     |                  |      |                   |      |                 |       |           | FAT  |
|          |                                   |     |                  |      |                   |      |                 |       |           | LB   |
|          |                                   |     |                  |      |                   |      |                 |       |           | LB   |
| 1228916  | KNDLLW000 CHIEF 230.....          |     |                  |      |                   |      |                 |       |           |      |
| 12-04-53 | 991576 3301192                    | 35  | NDN-AI DAUGHTERS | 87   | 12,258            | 3.7  | 459             |       |           |      |
| STATES-  | 34,71                             | 35  | WITH HERD-MATES  | 86   | 12,260            | 3.7  | 459             | 6     | 12,387    | 446  |
|          |                                   |     |                  |      |                   |      |                 | DIFF. | 127-      | 13   |
| 1229162  | BRIGREEN TIDY LA0.....            |     |                  |      |                   |      |                 |       |           |      |
| 03-22-54 | 972500 3018101                    | 403 | AI DAUGHTERS-25* | 635  | 12,353            | 4.0  | 497             |       |           |      |
| AI STUO, | 12-03 LISTED, 05-64               | 390 | WITH HERD-MATES  | 615  | 12,420            | 4.0  | 501             | 16    | 13,109    | 500  |
| STATES-  | 11,12,13,14,16,21                 |     |                  |      |                   |      |                 | DIFF. | 689-      | 1    |
| 1229310  | PUGET SOUND COUNT.....            |     |                  |      |                   |      |                 |       |           |      |
| 01-10-53 | 1175596 3278701                   | 13  | AI DAUGHTERS-03  | 13   | 13,653            | 3.5  | 477             |       |           |      |
| AI STUO, | 93-03 LISTED, 11-63               | 13  | WITH HERD-MATES  | 13   | 13,653            | 3.5  | 477             | 100   | 15,056    | 530  |
| STATES-  | 86,87,93                          |     |                  |      |                   |      |                 | DIFF. | 1403-     | 53-  |
|          |                                   | 3   | NDN-AI DAUGHTERS | 3    | 13,347            | 3.4  | 459             | 28    | 14,482    | 518  |
|          |                                   | 3   | WITH HERD-MATES  | 3    | 13,347            | 3.4  | 459             | DIFF. | 1135-     | 59-  |
| 1229440  | .....                             |     |                  |      |                   |      |                 |       |           |      |
| STATES-  | 23                                | 5   | NON-AI DAUGHTERS | 6    | 13,445            | 3.7  | 492             |       |           |      |
|          |                                   | 5   | WITH HERD-MATES  | 6    | 13,445            | 3.7  | 492             | 8     | 13,159    | 491  |
|          |                                   |     |                  |      |                   |      |                 | DIFF. | 286       | 1    |
| 1229492  | .....                             |     |                  |      |                   |      |                 |       |           |      |
| STATES-  | 33                                | 6   | NON-AI DAUGHTERS | 9    | 11,293            | 4.3  | 486             |       |           |      |
|          |                                   | 6   | WITH HERD-MATES  | 9    | 11,293            | 4.3  | 486             | 9     | 11,386    | 435  |
|          |                                   |     |                  |      |                   |      |                 | DIFF. | 93-       | 51   |
| 1229998  | ZELOENRUST T M PRIOR.....         |     |                  |      |                   |      |                 |       |           |      |
| 01-22-54 | 1028260 2896234                   | 18  | NON-AI DAUGHTERS | 24   | 12,714            | 3.7  | 470             |       |           |      |
| STATES-  | 31,51                             | 18  | WITH HERD-MATES  | 24   | 12,714            | 3.7  | 470             | 19    | 13,889    | 480  |
|          |                                   |     |                  |      |                   |      |                 | DIFF. | 1175-     | 10-  |
| 1230109  | PABST LEAOR WALK.....             |     |                  |      |                   |      |                 |       |           |      |
| 02-26-54 | 915940 3267356                    | 249 | AI DAUGHTERS-25* | 525  | 13,462            | 3.6  | 480             |       |           |      |
| AI STUO, | 35-04 LISTED, 05-64               | 243 | WITH HERD-MATES  | 514  | 13,510            | 3.6  | 482             | 14    | 13,041    | 477  |
| STATES-  | 13,14,22,23,33,35,41,             |     |                  |      |                   |      |                 | DIFF. | 469       | 5    |
|          | 42,46,52,54,64,74,85              |     |                  |      |                   |      |                 |       |           |      |
| 1230164  | RENSINK REGAL PRIMROSE.....       |     |                  |      |                   |      |                 |       |           |      |
| 11-12-53 | 1139172 2957577                   | 80  | AI DAUGHTERS-25* | 83   | 12,133            | 3.7  | 446             |       |           |      |
| AI STUO, | 35-75 LISTED, 05-64               | 79  | WITH HERD-MATES  | 81   | 12,146            | 3.7  | 447             | 21    | 12,342    | 447  |
| STATES-  | 32,35,41,42,52,55,56,             |     |                  |      |                   |      |                 | DIFF. | 196-      |      |
|          | 57,58,64,93                       | 31  | NDN-AI DAUGHTERS | 61   | 14,623            | 3.6  | 529             | 13    | 14,667    | 522  |
|          |                                   | 30  | WITH HERD-MATES  | 60   | 14,583            | 3.6  | 527             | DIFF. | 84-       | 5    |
| 1230433  | .....                             |     |                  |      |                   |      |                 |       |           |      |
| STATES-  | 31                                | 12  | NDN-AI DAUGHTERS | 15   | 14,390            | 3.6  | 522             |       |           |      |
|          |                                   | 9   | WITH HERD-MATES  | 12   | 13,531            | 3.5  | 476             | 11    | 13,928    | 499  |
|          |                                   |     |                  |      |                   |      |                 | DIFF. | 397-      | 23-  |
| 1230483  | .....                             |     |                  |      |                   |      |                 |       |           |      |
| STATES-  | 23,31                             | 5   | NDN-AI DAUGHTERS | 7    | 12,826            | 3.5  | 447             |       |           |      |
|          |                                   | 5   | WITH HERD-MATES  | 7    | 12,826            | 3.5  | 447             | 20    | 12,372    | 450  |
|          |                                   |     |                  |      |                   |      |                 | DIFF. | 454       | 3-   |
| 1230486  | BIG ROCK BURKE TEDDY.....         |     |                  |      |                   |      |                 |       |           |      |
| 10-06-53 | 920915 3241217                    | 875 | AI DAUGHTERS-25* | 1630 | 13,448            | 3.6  | 486             |       |           |      |
| AI STUO, | 23-04 LISTED, 05-64               | 869 | WITH HERD-MATES  | 1611 | 13,460            | 3.6  | 486             | 13    | 13,284    | 500  |
| STATES-  | 21,23,51                          |     |                  |      |                   |      |                 | DIFF. | 176       | 14-  |
|          |                                   | 10  | NON-AI DAUGHTERS | 35   | 12,862            | 3.6  | 467             | 11    | 12,502    | 475  |
|          |                                   | 10  | WITH HERD-MATES  | 35   | 12,862            | 3.6  | 467             | DIFF. | 360       | 8-   |
| 1230633  | ZERELYN KING POSCH BELWAYNE.....  |     |                  |      |                   |      |                 |       |           |      |
| 10-15-53 | 905683 3185839                    | 9   | NON-AI DAUGHTERS | 9    | 11,484            | 3.5  | 404             |       |           |      |
| STATES-  | 21,31                             | 9   | WITH HERD-MATES  | 9    | 11,484            | 3.5  | 404             | 15    | 11,283    | 392  |
|          |                                   |     |                  |      |                   |      |                 | DIFF. | 201       | 12   |
| 1230640  | PDLYTECHNIC IMPERIAL MONTVIC..... |     |                  |      |                   |      |                 |       |           |      |
| 01-02-54 | 878257 2743702                    | 6   | AI DAUGHTERS-05  | 6    | 13,422            | 3.5  | 475             |       |           |      |
| AI STUO, | 35-75 LISTED, 05-64               | 5   | WITH HERD-MATES  | 5    | 14,076            | 3.5  | 486             | 11    | 13,984    | 544  |
| STATES-  | 21,23,33,47,55,93                 |     |                  |      |                   |      |                 | DIFF. | 92        | 58-  |
|          |                                   | 12  | NDN-AI DAUGHTERS | 14   | 15,875            | 3.6  | 579             | 12    | 16,284    | 604  |
|          |                                   | 12  | WITH HERD-MATES  | 14   | 15,875            | 3.6  | 579             | DIFF. | 409-      | 25-  |
| 1230641  | PDLYTECHNIC IDEAL VICTOR.....     |     |                  |      |                   |      |                 |       |           |      |
| 03-19-54 | 988912 2847924                    | 38  | AI DAUGHTERS-25* | 51   | 13,645            | 3.6  | 491             |       |           |      |
| AI STUO, | 87-01 LISTED, 05-64               | 37  | WITH HERD-MATES  | 47   | 13,734            | 3.6  | 493             | 17    | 14,337    | 512  |
| STATES-  | 82,83,87                          |     |                  |      |                   |      |                 | DIFF. | 603-      | 19-  |
|          |                                   | 8   | NDN-AI DAUGHTERS | 23   | 12,932            | 3.6  | 467             | 13    | 14,127    | 487  |
|          |                                   | 8   | WITH HERD-MATES  | 23   | 12,932            | 3.6  | 467             | DIFF. | 1195-     | 20-  |
| 1230780  | WILLARDS CARNATION CANARY.....    |     |                  |      |                   |      |                 |       |           |      |
| 11-15-53 | 863763 2996819                    | 26  | NDN-AI DAUGHTERS | 60   | 13,461            | 3.8  | 517             |       |           |      |
| STATES-  | 33,35,42,64,74                    | 26  | WITH HERD-MATES  | 60   | 13,461            | 3.8  | 517             | 23    | 13,846    | 490  |
|          |                                   |     |                  |      |                   |      |                 | DIFF. | 385-      | 27   |
| 1231051  | THE DUKE ZELDENRUST.....          |     |                  |      |                   |      |                 |       |           |      |
| 08-02-53 | 924264 2645677                    | 4   | AI DAUGHTERS-04  |      |                   |      |                 |       |           |      |
| AI STUO, | 34-01 LISTED, 05-64               | 4   | WITH HERD-MATES  |      |                   |      |                 |       |           |      |
| STATES-  | 13,21,32,33,34,51,54,             |     |                  |      |                   |      |                 |       |           |      |
|          | 72                                | 43  | NDN-AI DAUGHTERS | 93   | 12,145            | 3.7  | 451             |       |           |      |
|          |                                   | 42  | WITH HERD-MATES  | 92   | 12,268            | 3.7  | 456             | 18    | 12,532    | 454  |
|          |                                   |     |                  |      |                   |      |                 | DIFF. | 264-      | 2    |
| 1231065  | WIS BURKE CHIEF IDEAL.....        |     |                  |      |                   |      |                 |       |           |      |
| 04-27-54 | 1180791 3465727                   | 17  | AI DAUGHTERS-12  | 17   | 14,141            | 3.6  | 507             |       |           |      |
| AI STUO, | 47-01 LISTED, 05-64               | 17  | WITH HERD-MATES  | 17   | 14,141            | 3.6  | 507             | 18    | 13,777    | 496  |
| STATES-  | 47                                |     |                  |      |                   |      |                 | DIFF. | 364       | 11   |
|          |                                   | 21  | NDN-AI DAUGHTERS | 56   | 13,356            | 3.6  | 476             |       |           |      |
|          |                                   | 21  | WITH HERD-MATES  | 51   | 13,364            | 3.5  | 474             | 5     | 11,889    | 434  |
|          |                                   |     |                  |      |                   |      |                 | DIFF. | 1475      | 40   |



| SIRES OF DAUGHTER   |         |         |     | AV. RECORDS      | PRODUCTION MILK LBS | OF TEST % | DAU. FAT LBS | ADJ. AV. NUMBER | HERD-MATES MILK LBS | AV. FAT LBS | PREDICTED MILK LBS | AV. FAT LBS |
|---|---------|---------|-----|------------------|---------------------|-----------|--------------|-----------------|---------------------|-------------|--------------------|-------------|
| HOLSTEIN  |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| 1231066 WIS CITATION.....                                       |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| 04-17-54  | 999669  | 2488143 | 15  | AI DAUGHTERS-09  | 19                  | 13,230    | 3.6          | 471             |                     |             |                    |             |
| AI STUD, 43-02 LISTED, 11-63                                    |         |         | 14  | WITH HERD-MATES  | 18                  | 13,906    | 3.5          | 493             | 14                  | 13,174      | 463                | 12,896      |
| STATES- 41,43,47,84,92  |         |         | 5   | NON-AI DAUGHTERS | 11                  | 12,289    | 3.8          | 471             | DIFF.               | 732         | 30                 | 471         |
|   |         |         | 5   | WITH HERD-MATES  | 11                  | 12,289    | 3.8          | 471             | 24                  | 13,424      | 486                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 1135-       | 15-                |             |
| 1231209 .....   |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| STATES- 51  |         |         | 5   | NON-AI DAUGHTERS | 6                   | 10,744    | 3.6          | 382             |                     |             |                    |             |
|   |         |         | 5   | WITH HERD-MATES  | 6                   | 10,744    | 3.6          | 382             | 21                  | 10,046      | 364                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 698         | 18                 |             |
| 1231506 LDS ROBLES EMPEROR SEGIS PIEBE.....                     |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| 03-18-54  | 1057293 | 2634909 | 38  | AI DAUGHTERS-22  | 78                  | 12,826    | 3.6          | 467             |                     |             |                    |             |
| AI STUD, 42-08 LISTED, 05-64                                    |         |         | 37  | WITH HERD-MATES  | 77                  | 12,779    | 3.6          | 466             | 28                  | 12,351      | 443                | 12,783      |
| STATES- 33,42   |         |         | 17  | NON-AI DAUGHTERS | 44                  | 13,471    | 3.6          | 489             | DIFF.               | 428         | 23                 | 472         |
|   |         |         | 16  | WITH HERD-MATES  | 43                  | 13,440    | 3.6          | 486             | 18                  | 12,768      | 460                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 672         | 26                 |             |
| 1231592 USHUNT KING A. C. A. F. LAD - TWIN.....                 |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| 09-30-53  | 921330  | 2576528 | 9   | NON-AI DAUGHTERS | 13                  | 13,599    | 3.4          | 466             |                     |             |                    |             |
| STATES- 81  |         |         | 9   | WITH HERD-MATES  | 12                  | 13,621    | 3.4          | 466             | 21                  | 13,033      | 463                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 588         | 3                  |             |
| 1231844 .....   |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| STATES- 23,52   |         |         | 21  | NON-AI DAUGHTERS | 36                  | 12,011    | 3.7          | 447             |                     |             |                    |             |
|   |         |         | 21  | WITH HERD-MATES  | 36                  | 12,011    | 3.7          | 447             | 7                   | 11,808      | 439                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 203         | 8                  |             |
| 1231951 .....   |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| STATES- 31  |         |         | 23  | NON-AI DAUGHTERS | 54                  | 13,645    | 3.6          | 492             |                     |             |                    |             |
|   |         |         | 22  | WITH HERD-MATES  | 52                  | 13,579    | 3.6          | 491             | 6                   | 12,539      | 463                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 1040        | 28                 |             |
| 1231982 HODDS CHERRY HILL CHARLD.....                           |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| 04-20-54  | 1017797 | 2617563 | 4   | AI DAUGHTERS-04  |                     |           |              |                 |                     |             |                    |             |
| AI STUD, 16-04 LISTED, 05-64                                    |         |         | 2   | WITH HERD-MATES  |                     |           |              |                 |                     |             |                    |             |
| STATES- 11,12,13,14,16,21,23                                    |         |         | 75  | NON-AI DAUGHTERS | 169                 | 14,364    | 3.8          | 541             |                     |             |                    |             |
|   |         |         | 75  | WITH HERD-MATES  | 169                 | 14,364    | 3.8          | 541             | 57                  | 13,911      | 524                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 453         | 17                 |             |
| 1232004 CLANYARO AD VIC LARRY.....                              |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| 11-24-53  | 1152351 | 2845888 | 283 | AI DAUGHTERS-25* | 457                 | 11,728    | 3.8          | 442             |                     |             |                    |             |
| AI STUD, 41-01 LISTED, 05-64                                    |         |         | 274 | WITH HERD-MATES  | 442                 | 11,755    | 3.8          | 443             | 18                  | 12,639      | 456                | 11,647      |
| STATES- 33,41,42,45,46,54,56                                    |         |         | 26  | NON-AI DAUGHTERS | 68                  | 11,263    | 3.8          | 430             | DIFF.               | 884-        | 13-                | 443         |
|   |         |         | 26  | WITH HERD-MATES  | 67                  | 11,265    | 3.8          | 430             | 15                  | 12,455      | 461                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 1190-       | 31-                |             |
| 1232220 PENSTATE LUCIFER CHIEFTAIN.....                         |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| 03-19-54  | 769170  | 2846331 | 335 | AI DAUGHTERS-25* | 803                 | 11,846    | 4.0          | 474             |                     |             |                    |             |
| AI STUD, 23-05 LISTED, 05-64                                    |         |         | 334 | WITH HERD-MATES  | 796                 | 11,856    | 4.0          | 474             | 11                  | 12,556      | 470                | 11,807      |
| STATES- 23,51,54  |         |         | 1   | NON-AI DAUGHTERS | 2                   | 10,085    | 4.0          | 401             | DIFF.               | 700-        | 4                  | 460         |
|   |         |         | 1   | WITH HERD-MATES  | 2                   | 10,085    | 4.0          | 401             | 13                  | 12,588      | 471                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 2503-       | 70-                |             |
| 1232246 SKOKIE G CREATION CORONET.....                          |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| 01-02-54  | 1126982 | 3299570 | 63  | NON-AI DAUGHTERS | 98                  | 12,333    | 3.4          | 423             |                     |             |                    |             |
| STATES- 14,21,22,23,31,34,35, 51,52,54,73,74                    |         |         | 63  | WITH HERD-MATES  | 98                  | 12,333    | 3.4          | 423             | 192                 | 12,724      | 464                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 391-        | 41-                |             |
| 1232300 .....   |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| STATES- 31,32   |         |         | 9   | NON-AI DAUGHTERS | 27                  | 11,642    | 3.7          | 436             |                     |             |                    |             |
|   |         |         | 9   | WITH HERD-MATES  | 25                  | 11,543    | 3.7          | 432             | 9                   | 13,346      | 484                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 1803-       | 52-                |             |
| 1232331 BACONFARM BURKE BELLE.....                              |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| 08-30-53  | 1000390 | 3412865 | 99  | AI DAUGHTERS-25* | 104                 | 12,314    | 3.6          | 447             |                     |             |                    |             |
| AI STUD, 35-75 LISTED, 05-64                                    |         |         | 97  | WITH HERD-MATES  | 101                 | 12,361    | 3.6          | 449             | 24                  | 13,195      | 484                | 11,800      |
| STATES- 12,13,16,21,23,31,32, 33,34,35,41,43,48,51,52,55,57, 93 |         |         | 35  | NON-AI DAUGHTERS | 73                  | 13,880    | 3.9          | 541             | DIFF.               | 834-        | 35-                | 427         |
|   |         |         | 33  | WITH HERD-MATES  | 69                  | 14,064    | 3.9          | 548             | 14                  | 14,380      | 546                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 316-        | 2                  |             |
| 1232445 KIL-BAR CHIEFTAIN DIRECTOR.....                         |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| 12-10-52  | 1114547 | 3194083 | 15  | NON-AI DAUGHTERS | 16                  | 11,682    | 3.8          | 439             |                     |             |                    |             |
| STATES- 41  |         |         | 10  | WITH HERD-MATES  | 11                  | 10,656    | 3.8          | 407             | 7                   | 12,661      | 450                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 2005-       | 43-                |             |
| 1232513 .....   |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| STATES- 31,32   |         |         | 5   | NON-AI DAUGHTERS | 7                   | 12,526    | 3.5          | 434             |                     |             |                    |             |
|   |         |         | 5   | WITH HERD-MATES  | 7                   | 12,526    | 3.5          | 434             | 11                  | 13,877      | 515                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 1351-       | 81-                |             |
| 1232607 .....   |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| STATES- 31  |         |         | 5   | NON-AI DAUGHTERS | 9                   | 13,280    | 3.5          | 468             |                     |             |                    |             |
|   |         |         | 5   | WITH HERD-MATES  | 9                   | 13,280    | 3.5          | 468             | 8                   | 12,629      | 460                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 651         | 8                  |             |
| 1232752 STEEL-BILT ORMSBY F08ES DELLA.....                      |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| 09-29-53  | 1181485 | 3408905 | 21  | NON-AI DAUGHTERS | 22                  | 11,643    | 3.9          | 457             |                     |             |                    |             |
| STATES- 22,31,52  |         |         | 20  | WITH HERD-MATES  | 21                  | 11,822    | 3.9          | 464             | 37                  | 12,057      | 445                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 235-        | 19                 |             |
| 1232907 DISTINCTION PRINCE PROFILE.....                         |         |         |     |                  |                     |           |              |                 |                     |             |                    |             |
| 04-24-54  | 1169417 | 2069275 | 142 | AI DAUGHTERS-25* | 153                 | 12,788    | 3.6          | 459             |                     |             |                    |             |
| AI STUD, 35-05 LISTED, 05-64                                    |         |         | 141 | WITH HERD-MATES  | 151                 | 12,803    | 3.6          | 460             | 14                  | 13,028      | 474                | 12,316      |
| STATES- 31,33,35,41,42,52,86                                    |         |         | 28  | NON-AI DAUGHTERS | 74                  | 14,565    | 3.7          | 540             | DIFF.               | 225-        | 14-                | 444         |
|   |         |         | 28  | WITH HERD-MATES  | 74                  | 14,565    | 3.7          | 540             | 9                   | 14,831      | 549                |             |
|   |         |         |     |                  |                     |           |              |                 | DIFF.               | 266-        | 9-                 |             |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN                       |                                   |     |                  |     | AV. PRODUCTION OF | DAU. | ADJ. HERO-MATES | AV.         | PREDICTED | AV.    |
|--------------------------------|-----------------------------------|-----|------------------|-----|-------------------|------|-----------------|-------------|-----------|--------|
|                                |                                   |     |                  |     | RECORDS           | MILK | TEST            | FAT         | MILK      | FAT    |
|                                |                                   |     |                  |     | NUMBER            | L8   | %               | L8          | NUMBER    | L8     |
| 1233005                        | MANCRYCO GALLANT 8BLACK STAR..... |     |                  |     |                   |      |                 |             |           |        |
| 03-01-54                       | 1013718 3280218                   | 31  | AI DAUGHTERS-25* | 34  | 13,014            | 3.7  | 476             |             |           |        |
| AI STUO, 35-75                 | LISTED, 05-64                     | 27  | WITH HERD-MATES  | 29  | 12,972            | 3.6  | 469             | 17          | 13,022    | 468    |
| STATES- 13,21,23,32,33,34,42,  |                                   |     |                  |     |                   |      |                 | DIFF. 50-   | 1         | 12,474 |
| 47,48,71,73,74,82,84,93        |                                   | 64  | NON-AI DAUGHTERS | 164 | 12,530            | 3.7  | 459             |             |           |        |
|                                |                                   | 63  | WITH HERO-MATES  | 162 | 12,497            | 3.7  | 458             | 10          | 12,102    | 441    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 395   | 17        |        |
| 1233014                        | HIGHLAND CAESAR LOCHINVAR.....    |     |                  |     |                   |      |                 |             |           |        |
| 11-15-53                       | 1183742 3050653                   | 131 | AI DAUGHTERS-25* | 141 | 12,647            | 3.7  | 471             |             |           |        |
| AI STUO, 35-75                 | LISTED, 05-64                     | 126 | WITH HERD-MATES  | 134 | 12,857            | 3.7  | 478             | 19          | 13,161    | 486    |
| STATES- 12,13,16,21,22,23,31,  |                                   |     |                  |     |                   |      |                 | DIFF. 304-  | 8-        | 12,257 |
| 32,33,34,41,51,52,54,55,57,58, |                                   | 43  | NON-AI DAUGHTERS | 81  | 12,374            | 3.7  | 462             |             |           |        |
| 64,93                          |                                   | 42  | WITH HERD-MATES  | 80  | 12,326            | 3.7  | 459             | 17          | 12,369    | 449    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 43-   | 10        |        |
| 1233033                        | KITCO BARON YUKON IKE.....        |     |                  |     |                   |      |                 |             |           |        |
| 12-26-53                       | 1151622 3054709                   | 48  | NON-AI DAUGHTERS | 119 | 12,710            | 3.7  | 466             |             |           |        |
| STATES- 21                     | LISTED, 08-62                     | 46  | WITH HERD-MATES  | 117 | 12,696            | 3.7  | 467             | 20          | 14,587    | 520    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 1891- | 53-       |        |
| 1233045                        | I T S BURKE VICTOR.....           |     |                  |     |                   |      |                 |             |           |        |
| 04-26-53                       | 1057124 2778870                   | 20  | NON-AI DAUGHTERS | 51  | 12,630            | 3.6  | 456             |             |           |        |
| STATES- 42                     |                                   | 18  | WITH HERD-MATES  | 49  | 12,444            | 3.7  | 456             | 12          | 11,673    | 416    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 771   | 40        |        |
| 1233166                        | ROSSDALE DUKE.....                |     |                  |     |                   |      |                 |             |           |        |
| 03-04-54                       | 1160109 2489684                   | 9   | NON-AI DAUGHTERS | 14  | 10,999            | 3.4  | 369             |             |           |        |
| STATES- 21                     | LISTED, 05-64                     | 9   | WITH HERD-MATES  | 14  | 10,999            | 3.4  | 369             | 18          | 11,650    | 420    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 651-  | 51-       |        |
| 1233390                        | AGTEX EF8 PA8ST 8EAUTY.....       |     |                  |     |                   |      |                 |             |           |        |
| 02-27-54                       | 901195 2574564                    | 33  | AI DAUGHTERS-08  | 82  | 13,352            | 3.5  | 461             |             |           |        |
| AI STUO, 74-01                 | LISTED, 05-64                     | 33  | WITH HERD-MATES  | 82  | 13,352            | 3.5  | 461             | 27          | 12,442    | 432    |
| STATES- 71,74                  |                                   |     |                  |     |                   |      |                 | DIFF. 910   | 29        | 13,133 |
| 1233482                        | .....                             |     |                  |     |                   |      |                 |             |           |        |
| STATES- 35,42                  |                                   | 18  | NON-AI DAUGHTERS | 34  | 13,710            | 3.8  | 515             |             |           |        |
|                                |                                   | 18  | WITH HERD-MATES  | 33  | 13,705            | 3.8  | 515             | 27          | 12,624    | 478    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 1081  | 37        |        |
| 1233483                        | BUTTERCUP PRINCE PANSY.....       |     |                  |     |                   |      |                 |             |           |        |
| 12-15-53                       | 1182925 2632406                   | 1   | AI DAUGHTERS-01  |     |                   |      |                 |             |           |        |
| AI STUO, 35-04                 | LISTED, 05-64                     | 1   | WITH HERD-MATES  |     |                   |      |                 |             |           |        |
| STATES- 35                     |                                   |     |                  |     |                   |      |                 |             |           |        |
|                                |                                   | 18  | NON-AI DAUGHTERS | 45  | 12,177            | 3.9  | 476             |             |           |        |
|                                |                                   | 18  | WITH HERD-MATES  | 45  | 12,177            | 3.9  | 476             | 10          | 12,549    | 495    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 372-  | 19-       |        |
| 1233487                        | NETHERLAND BURKE SKY CHIEF.....   |     |                  |     |                   |      |                 |             |           |        |
| 09-05-53                       | 1013415 3348174                   | 16  | AI DAUGHTERS-12  | 16  | 13,159            | 3.7  | 488             |             |           |        |
| AI STUO, 48-01                 | LISTED, 05-64                     | 14  | WITH HERO-MATES  | 14  | 13,698            | 3.7  | 509             | 22          | 12,749    | 463    |
| STATES- 48,74                  |                                   |     |                  |     |                   |      |                 | DIFF. 949   | 46        | 12,989 |
|                                |                                   | 25  | NON-AI DAUGHTERS | 50  | 13,233            | 4.0  | 527             |             |           |        |
|                                |                                   | 22  | WITH HERD-MATES  | 45  | 13,464            | 3.9  | 531             | 13          | 13,389    | 510    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 75    | 21        |        |
| 1233664                        | PRENTISS ORMSBY LDRO CALVERT..... |     |                  |     |                   |      |                 |             |           |        |
| 10-12-52                       | 1102616 3008965                   | 8   | NON-AI DAUGHTERS | 24  | 13,269            | 3.7  | 485             |             |           |        |
| STATES- 11                     | LISTED, 08-63                     | 8   | WITH HERD-MATES  | 24  | 13,269            | 3.7  | 485             | 81          | 13,522    | 501    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 253-  | 16-       |        |
| 1233807                        | .....                             |     |                  |     |                   |      |                 |             |           |        |
| STATES- 71,73                  |                                   | 6   | NON-AI DAUGHTERS | 6   | 11,270            | 3.4  | 385             |             |           |        |
|                                |                                   | 6   | WITH HERO-MATES  | 6   | 11,270            | 3.4  | 385             | 10          | 11,294    | 402    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 24-   | 17-       |        |
| 1233969                        | OSBORNDAL GAY8LAOE.....           |     |                  |     |                   |      |                 |             |           |        |
| 07-17-53                       | 1025007 2471271                   | 16  | NON-AI DAUGHTERS | 23  | 11,699            | 3.6  | 417             |             |           |        |
| STATES- 16,21,23,51            | LISTED, 08-63                     | 15  | WITH HERD-MATES  | 20  | 11,738            | 3.5  | 415             | 16          | 12,478    | 452    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 740-  | 37-       |        |
| 1234023                        | VERAOELDA POLLY GOVERNOR.....     |     |                  |     |                   |      |                 |             |           |        |
| 10-06-52                       | 934021 2720123                    | 607 | AI DAUGHTERS-25* | 700 | 13,178            | 3.8  | 496             |             |           |        |
| AI STUO, 35-75                 | LISTED, 05-64                     | 590 | WITH HERD-MATES  | 679 | 13,202            | 3.8  | 497             | 18          | 13,142    | 481    |
| STATES- 21,22,23,31,32,33,34,  |                                   |     |                  |     |                   |      |                 | DIFF. 60    | 16        | 12,595 |
| 35,41,42,48,51,52,55,56,57,58, |                                   | 27  | NON-AI DAUGHTERS | 70  | 13,369            | 3.8  | 506             |             |           |        |
| 64,82,85,91,93                 |                                   | 27  | WITH HERD-MATES  | 67  | 13,338            | 3.8  | 505             | 10          | 13,978    | 522    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 640-  | 17-       |        |
| 1234073                        | .....                             |     |                  |     |                   |      |                 |             |           |        |
| STATES- 35,42                  |                                   | 41  | NON-AI DAUGHTERS | 83  | 12,448            | 3.6  | 448             |             |           |        |
|                                |                                   | 40  | WITH HERD-MATES  | 81  | 12,457            | 3.6  | 450             | 8           | 11,860    | 432    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 597   | 18        |        |
| 1234201                        | LONGHURST DOMINATOR.....          |     |                  |     |                   |      |                 |             |           |        |
| 10-13-53                       | 858418 3378302                    | 38  | NON-AI DAUGHTERS | 97  | 12,492            | 3.7  | 465             |             |           |        |
| STATES- 21                     | LISTED, 08-62                     | 38  | WITH HERO-MATES  | 97  | 12,492            | 3.7  | 465             | 11          | 13,123    | 489    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 631-  | 24-       |        |
| 1234240                        | HILOANNA INDEPENDENT KING.....    |     |                  |     |                   |      |                 |             |           |        |
| 05-04-54                       | 1016036 3384988                   | 5   | NON-AI DAUGHTERS | 5   | 13,374            | 3.6  | 476             |             |           |        |
| STATES- 34                     | LISTED, 05-64                     | 5   | WITH HERO-MATES  | 5   | 13,374            | 3.6  | 476             | 6           | 12,853    | 468    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 521   | 8         |        |
| 1234371                        | SMOKER DICTATOR LANCELOT.....     |     |                  |     |                   |      |                 |             |           |        |
| 01-29-54                       | 943293 2358026                    | 79  | AI DAUGHTERS-25* | 145 | 13,631            | 3.7  | 503             |             |           |        |
| AI STUO, 32-02                 | LISTED, 05-64                     | 79  | WITH HERD-MATES  | 144 | 13,632            | 3.7  | 503             | 14          | 13,418    | 502    |
| STATES- 31,32,33,34,56,61,63,  |                                   |     |                  |     |                   |      |                 | DIFF. 214   | 1         | 12,737 |
| 86                             |                                   |     |                  |     |                   |      |                 |             |           |        |
| 1234461                        | BUTTERFLY TOPLINER DUKE.....      |     |                  |     |                   |      |                 |             |           |        |
| 05-10-54                       | 989939 3238708                    | 8   | NON-AI DAUGHTERS | 9   | 11,806            | 4.2  | 501             |             |           |        |
| STATES- 23                     | LISTED, 03-64                     | 8   | WITH HERD-MATES  | 9   | 11,806            | 4.2  | 501             | 9           | 13,232    | 524    |
|                                |                                   |     |                  |     |                   |      |                 | DIFF. 1426- | 23-       |        |

## SIREN OF DHIA DAUGHTERS

| HOLSTEIN                                   | AV. PRODUCTION OF DAU. |                  |      |        | ADJ. HERD-MATES AV. |      |       | PREDICTED AV. |     |
|--|------------------------|------------------|------|--------|---------------------|------|-------|---------------|-----|
|  | RECORDS                | MILK             | TEST | FAT    | AV.                 | MILK | FAT   | MILK          | FAT |
|  | NUMBER                 | L8               | %    | L8     | NUMBER              | L8   | L8    | L8            | L8  |
| 1234505 .....                              |                        |                  |      |        |                     |      |       |               |     |
| STATES- 31                                 | 5                      | NDN-AI DAUGHTERS | 8    | 9,952  | 3.9                 | 390  |       |               |     |
|  | 5                      | WITH HERD-MATES  | 8    | 9,952  | 3.9                 | 390  | 8     | 10,623        | 386 |
|  |                        |                  |      |        |                     |      | DIFF. | 671-          | 4   |
| 1234506 QUIN LYNN TRIUNE PRINCE.....       |                        |                  |      |        |                     |      |       |               |     |
| 02-23-54 1053084 2706208                   | 23                     | NDN-AI DAUGHTERS | 51   | 17,710 | 3.6                 | 643  |       |               |     |
| AI STUD, 48-01 LISTED, 05-64               | 22                     | WITH HERD-MATES  | 50   | 17,495 | 3.6                 | 638  | 7     | 15,171        | 562 |
| STATES- 47,48                              |                        |                  |      |        |                     |      | DIFF. | 2324          | 76  |
| 1234517 PABST LEADER JESS VALE.....        |                        |                  |      |        |                     |      |       |               |     |
| 05-04-54 915940 2991632                    | 38                     | AI DAUGHTERS-25* | 39   | 12,943 | 3.4                 | 445  |       |               |     |
| AI STUD, 35-05 LISTED, 05-64               | 36                     | WITH HERD-MATES  | 37   | 13,328 | 3.4                 | 458  | 14    | 13,321        | 475 |
| STATES- 35,41,42,64                        |                        |                  |      |        |                     |      | DIFF. | 7             | 17- |
|  | 29                     | NDN-AI DAUGHTERS | 76   | 14,384 | 3.5                 | 509  | 4     | 12,317        | 445 |
|  | 29                     | WITH HERD-MATES  | 63   | 14,424 | 3.5                 | 510  | DIFF. | 2107          | 65  |
| 1234521 PABST LEADER HDPE.....             |                        |                  |      |        |                     |      |       |               |     |
| 06-19-54 915940 2722407                    | 20                     | NDN-AI DAUGHTERS | 27   | 13,650 | 3.4                 | 468  |       |               |     |
| LISTED, 08-63                              | 20                     | WITH HERD-MATES  | 27   | 13,650 | 3.4                 | 468  | 18    | 13,248        | 471 |
| STATES- 51,52                              |                        |                  |      |        |                     |      | DIFF. | 402           | 3-  |
| 1234607 BRDDK LODGE SEXTON ALAN.....       |                        |                  |      |        |                     |      |       |               |     |
| 01-30-54 1150556 3059219                   | 19                     | NDN-AI DAUGHTERS | 31   | 11,585 | 3.5                 | 410  |       |               |     |
| STATES- 51,54                              | 19                     | WITH HERD-MATES  | 31   | 11,585 | 3.5                 | 410  | 8     | 12,750        | 444 |
|  |                        |                  |      |        |                     |      | DIFF. | 1165-         | 34- |
| 1234668 .....                              |                        |                  |      |        |                     |      |       |               |     |
| STATES- 93                                 | 9                      | NDN-AI DAUGHTERS | 9    | 11,019 | 3.7                 | 409  |       |               |     |
|  | 9                      | WITH HERD-MATES  | 9    | 11,019 | 3.7                 | 409  | 75    | 12,751        | 474 |
|  |                        |                  |      |        |                     |      | DIFF. | 1732-         | 65- |
| 1234776 SHDRTS DRMSBY RCKY.....            |                        |                  |      |        |                     |      |       |               |     |
| 06-08-54 1183964 3177027                   | 7                      | AI DAUGHTERS-06  | 7    | 12,257 | 3.6                 | 445  |       |               |     |
| AI STUD, 35-75 LISTED, 05-64               | 7                      | WITH HERD-MATES  | 7    | 12,257 | 3.6                 | 445  | 44    | 12,031        | 446 |
| STATES- 21,43,57,74,93                     |                        |                  |      |        |                     |      | DIFF. | 226           | 1-  |
|  | 12                     | NDN-AI DAUGHTERS | 20   | 15,865 | 3.8                 | 596  | 9     | 15,324        | 579 |
|  | 11                     | WITH HERD-MATES  | 18   | 16,307 | 3.8                 | 612  | DIFF. | 983           | 33  |
| 1235054 LIMA SIR 8DY GEORGE.....           |                        |                  |      |        |                     |      |       |               |     |
| 02-02-54 1033433 2702964                   | 23                     | NDN-AI DAUGHTERS | 23   | 12,008 | 3.6                 | 437  |       |               |     |
| LISTED, 11-63                              | 23                     | WITH HERD-MATES  | 23   | 12,008 | 3.6                 | 437  | 15    | 12,362        | 441 |
| STATES- 31                                 |                        |                  |      |        |                     |      | DIFF. | 354-          | 4-  |
| 1235086 WIS BURKE DYNAMD.....              |                        |                  |      |        |                     |      |       |               |     |
| 07-05-54 1192327 3531159                   | 8                      | NDN-AI DAUGHTERS | 20   | 13,920 | 4.1                 | 577  |       |               |     |
| LISTED, 08-62                              | 8                      | WITH HERD-MATES  | 19   | 13,952 | 4.1                 | 576  | 32    | 12,730        | 471 |
| STATES- 14,15,16,21                        |                        |                  |      |        |                     |      | DIFF. | 1222          | 105 |
| 1235097 TIDY BURKE FDBES.....              |                        |                  |      |        |                     |      |       |               |     |
| 01-03-54 1013415 2918802                   | 19                     | AI DAUGHTERS-17  | 19   | 12,116 | 3.5                 | 420  |       |               |     |
| AI STUD, 35-75 LISTED, 05-64               | 18                     | WITH HERD-MATES  | 18   | 11,989 | 3.5                 | 423  | 14    | 11,812        | 432 |
| STATES- 21,23,33,42,47,48,73,74,84         |                        |                  |      |        |                     |      | DIFF. | 177           | 9-  |
|  | 56                     | NDN-AI DAUGHTERS | 132  | 14,106 | 3.7                 | 522  | 20    | 12,972        | 480 |
|  | 54                     | WITH HERD-MATES  | 129  | 14,061 | 3.7                 | 518  | DIFF. | 1089          | 38  |
| 1235139 LONG CREEK DALE BOLD.....          |                        |                  |      |        |                     |      |       |               |     |
| 05-18-54 1179248 2904058                   | 20                     | NDN-AI DAUGHTERS | 43   | 12,530 | 3.7                 | 461  |       |               |     |
| LISTED, 08-62                              | 20                     | WITH HERD-MATES  | 43   | 12,530 | 3.7                 | 461  | 21    | 13,447        | 487 |
| STATES- 34                                 |                        |                  |      |        |                     |      | DIFF. | 917-          | 26- |
| 1235150 HEERSCH DEMONSTRATOR MARGINAL..... |                        |                  |      |        |                     |      |       |               |     |
| 06-12-54 1155469 3586429                   | 6                      | AI DAUGHTERS-05  | 6    | 10,928 | 3.8                 | 413  |       |               |     |
| AI STUD, 35-75 LISTED, 05-64               | 6                      | WITH HERD-MATES  | 6    | 10,928 | 3.8                 | 413  | 95    | 13,248        | 482 |
| STATES- 13,21,33,74,93                     |                        |                  |      |        |                     |      | DIFF. | 2320-         | 69- |
|  | 25                     | NDN-AI DAUGHTERS | 62   | 13,686 | 3.8                 | 520  | 8     | 14,529        | 535 |
|  | 25                     | WITH HERD-MATES  | 62   | 13,686 | 3.8                 | 520  | DIFF. | 843-          | 15- |
| 1235255 .....                              |                        |                  |      |        |                     |      |       |               |     |
| STATES- 43                                 | 6                      | NDN-AI DAUGHTERS | 6    | 14,373 | 3.8                 | 551  |       |               |     |
|  | 6                      | WITH HERD-MATES  | 6    | 14,373 | 3.8                 | 551  | 6     | 14,346        | 543 |
|  |                        |                  |      |        |                     |      | DIFF. | 27            | 8   |
| 1235329 RICH-HERD TDP NDTCH.....           |                        |                  |      |        |                     |      |       |               |     |
| 01-18-54 1203881 2947831                   | 4                      | AI DAUGHTERS-04  |      |        |                     |      |       |               |     |
| AI STUD, 42-02 LISTED, 05-64               | 4                      | WITH HERD-MATES  |      |        |                     |      |       |               |     |
| STATES- 42,85,87                           |                        |                  |      |        |                     |      |       |               |     |
|  | 23                     | NDN-AI DAUGHTERS | 45   | 12,678 | 3.6                 | 460  |       |               |     |
|  | 23                     | WITH HERD-MATES  | 44   | 12,754 | 3.6                 | 462  | 22    | 13,001        | 472 |
|  |                        |                  |      |        |                     |      | DIFF. | 247-          | 10- |
| 1235420 HDWE HAVEN RAG APPLE MDNTY.....    |                        |                  |      |        |                     |      |       |               |     |
| 02-03-54 889181 3164237                    | 13                     | NDN-AI DAUGHTERS | 19   | 9,586  | 4.2                 | 400  |       |               |     |
| LISTED, 11-63                              | 13                     | WITH HERD-MATES  | 19   | 9,586  | 4.2                 | 400  | 4     | 11,267        | 405 |
| STATES- 13                                 |                        |                  |      |        |                     |      | DIFF. | 1681-         | 5-  |
| 1235661 .....                              |                        |                  |      |        |                     |      |       |               |     |
| STATES- 31                                 | 6                      | NDN-AI DAUGHTERS | 6    | 8,823  | 3.8                 | 332  |       |               |     |
|  | 6                      | WITH HERD-MATES  | 6    | 8,823  | 3.8                 | 332  | 8     | 10,832        | 389 |
|  |                        |                  |      |        |                     |      | DIFF. | 2009-         | 57- |
| 1235750 PHIL HAVEN JD-VALE PRINCE.....     |                        |                  |      |        |                     |      |       |               |     |
| 03-08-54 1007357 2691858                   | 47                     | AI DAUGHTERS-25  | 83   | 13,432 | 3.6                 | 478  |       |               |     |
| AI STUD, 42-08 LISTED, 05-64               | 47                     | WITH HERD-MATES  | 83   | 13,432 | 3.6                 | 478  | 21    | 13,124        | 480 |
| STATES- 33,42                              |                        |                  |      |        |                     |      | DIFF. | 308           | 2-  |
|  | 36                     | NDN-AI DAUGHTERS | 92   | 12,631 | 3.5                 | 448  | 34    | 11,855        | 418 |
|  | 35                     | WITH HERD-MATES  | 91   | 12,891 | 3.5                 | 457  | DIFF. | 1036          | 39  |



## SIREs OF DHIA DAUGHTERS

| HOLSTEIN                       |                                   |                     |      |        | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|--------------------------------|-----------------------------------|---------------------|------|--------|-------------|-----------------------|--------|-------------|------------------|--------------------|------------|-------------------|------------|
| 1235822                        | AT81TH TY VIC KING MONCAOER.....  |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 01-31-54                       | 923749 2790993 326                | AI DAUGHTERS-25*    | 568  | 14,262 | 3.7         | 529                   |        |             |                  |                    |            |                   |            |
| AI STUD, 92-01                 | LISTED, 05-64 309                 | WITH HERD-MATES     | 540  | 14,342 | 3.7         | 532                   |        |             |                  |                    |            |                   |            |
| STATES- 91,92                  |                                   |                     |      |        |             |                       |        |             | 22               | 13,493             | 491        | 13,384            | 498        |
|                                |                                   |                     |      |        |             |                       |        |             | OIFF.            | 849                | 41         |                   |            |
| 1235894                        | RUSSINWOOD NOBLE LEADER.....      |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 03-20-54                       | 915940 2751944 418                | AI DAUGHTERS-25*    | 608  | 12,901 | 3.7         | 483                   |        |             |                  |                    |            |                   |            |
| AI STUD, 33-03                 | LISTED, 05-64 411                 | WITH HERD-MATES     | 598  | 12,913 | 3.7         | 484                   |        |             | 18               | 13,112             | 481        | 12,340            | 461        |
| STATES- 11,13,14,15,16,21,22,  |                                   |                     |      |        |             |                       |        |             | OIFF.            | 199-               | 3          |                   |            |
| 23,31,32,33,34,35,41,42,46,47, |                                   | 17 NON-AI DAUGHTERS | 40   | 14,130 | 3.9         | 546                   |        |             |                  |                    |            |                   |            |
| 48,50,51,52,55,56,57,61,71,82, |                                   | 15 WITH HERD-MATES  | 38   | 14,016 | 3.8         | 534                   |        |             | 17               | 14,066             | 539        |                   |            |
| 87,92                          |                                   |                     |      |        |             |                       |        |             | DIFF.            | 50-                | 5-         |                   |            |
| 1235944                        | SPENCERLANO SOVEREIGN DESIGN..... |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 03-01-54                       | 1173755 3492647 11                | NON-AI DAUGHTERS    | 20   | 13,931 | 3.7         | 515                   |        |             |                  |                    |            |                   |            |
| LISTED, 08-63 11               | WITH HERD-MATES                   |                     | 20   | 13,931 | 3.7         | 515                   |        |             | 42               | 13,525             | 503        |                   |            |
| STATES- 13                     |                                   |                     |      |        |             |                       |        |             | OIFF.            | 406                | 12         |                   |            |
| 1235973                        | SKDKIE CREATION A88EKERK.....     |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 05-20-54                       | 1126982 3084617 9                 | NON-AI DAUGHTERS    | 19   | 11,194 | 3.7         | 416                   |        |             |                  |                    |            |                   |            |
| LISTED, 08-62 9                | WITH HERD-MATES                   |                     | 19   | 11,194 | 3.7         | 416                   |        |             | 13               | 12,955             | 474        |                   |            |
| STATES- 32,33                  |                                   |                     |      |        |             |                       |        |             | DIFF.            | 1761-              | 58-        |                   |            |
| 1235977                        | SKOKIE GODO STYLIST.....          |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 04-03-54                       | 1199324 2900034 55                | NON-AI DAUGHTERS    | 112  | 12,108 | 3.8         | 465                   |        |             |                  |                    |            |                   |            |
| LISTED, 08-62 55               | WITH HERD-MATES                   |                     | 112  | 12,108 | 3.8         | 465                   |        |             | 18               | 11,735             | 441        |                   |            |
| STATES- 61                     |                                   |                     |      |        |             |                       |        |             | OIFF.            | 373                | 24         |                   |            |
| 1236034                        | DE KOL CRESCENT GERBEN.....       |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 01-16-54                       | 1089774 2842970 28                | NON-AI DAUGHTERS    | 39   | 11,457 | 3.7         | 426                   |        |             |                  |                    |            |                   |            |
| LISTED, 03-64 26               | WITH HERD-MATES                   |                     | 37   | 11,546 | 3.7         | 431                   |        |             | 16               | 11,243             | 407        |                   |            |
| STATES- 47                     |                                   |                     |      |        |             |                       |        |             | DIFF.            | 303                | 24         |                   |            |
| 1236164                        | PIEBE CURTISS CANOY CANARY.....   |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 07-27-54                       | 978750 2822209 36                 | NON-AI DAUGHTERS    | 82   | 13,069 | 3.7         | 480                   |        |             |                  |                    |            |                   |            |
| LISTED, 08-63 36               | WITH HERD-MATES                   |                     | 82   | 13,069 | 3.7         | 480                   |        |             | 8                | 13,120             | 492        |                   |            |
| STATES- 23                     |                                   |                     |      |        |             |                       |        |             | OIFF.            | 51-                | 12-        |                   |            |
| 1236208                        | ADOHR PERFECT BEAUX.....          |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 09-13-53                       | 1105878 3251926 15                | NON-AI DAUGHTERS    | 17   | 15,744 | 3.5         | 551                   |        |             |                  |                    |            |                   |            |
| LISTED, 05-64 15               | WITH HERD-MATES                   |                     | 17   | 15,744 | 3.5         | 551                   |        |             | 192              | 15,637             | 547        |                   |            |
| STATES- 85                     |                                   |                     |      |        |             |                       |        |             | OIFF.            | 107                | 4          |                   |            |
| 1236323                        | .....                             |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
|                                |                                   | 15 NON-AI DAUGHTERS | 29   | 12,094 | 3.4         | 416                   |        |             |                  |                    |            |                   |            |
| STATES- 23,34,35,46,56,61      |                                   | 15 WITH HERD-MATES  | 28   | 12,035 | 3.4         | 413                   |        |             | 17               | 12,511             | 445        |                   |            |
|                                |                                   |                     |      |        |             |                       |        |             | DIFF.            | 476-               | 32-        |                   |            |
| 1236789                        | ELMER BROOK ARISTOCRAT.....       |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 03-09-54                       | 903212 2665113 161                | AI DAUGHTERS-25*    | 199  | 14,730 | 3.6         | 536                   |        |             |                  |                    |            |                   |            |
| AI STUD, 35-03                 | LISTED, 05-64 156                 | WITH HERD-MATES     | 192  | 14,793 | 3.6         | 537                   |        |             | 16               | 13,716             | 499        | 13,576            | 494        |
| STATES- 16,23,34,35,42,61,72,  |                                   |                     |      |        |             |                       |        |             | OIFF.            | 1077               | 38         |                   |            |
| 74,87                          |                                   | 27 NON-AI DAUGHTERS | 68   | 14,919 | 3.8         | 565                   |        |             |                  |                    |            |                   |            |
|                                |                                   | 27 WITH HERD-MATES  | 67   | 14,915 | 3.8         | 565                   |        |             | 12               | 13,583             | 502        |                   |            |
|                                |                                   |                     |      |        |             |                       |        |             | OIFF.            | 1332               | 63         |                   |            |
| 1236923                        | ZAMADA ORMSBY ADMIRAL WEB.....    |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 02-09-54                       | 1152351 2888555 138               | AI DAUGHTERS-25*    | 264  | 11,917 | 4.0         | 471                   |        |             |                  |                    |            |                   |            |
| AI STUD, 33-02                 | LISTED, 01-63 137                 | WITH HERD-MATES     | 261  | 11,933 | 3.9         | 471                   |        |             | 15               | 12,509             | 459        | 11,950            | 466        |
| STATES- 33                     |                                   |                     |      |        |             |                       |        |             | OIFF.            | 576-               | 12         |                   |            |
| 1237057                        | IRVINGTON PRIDE ADMIRAL.....      |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 08-03-54                       | 1112030 2728655 37                | NON-AI DAUGHTERS    | 61   | 14,317 | 3.8         | 541                   |        |             |                  |                    |            |                   |            |
| AI STUD, 33-03                 | LISTED, 05-64 37                  | WITH HERD-MATES     | 61   | 14,317 | 3.8         | 541                   |        |             | 48               | 13,380             | 506        |                   |            |
| STATES- 14,21,31,33,51         |                                   |                     |      |        |             |                       |        |             | DIFF.            | 937                | 35         |                   |            |
| 1237074                        | SILVIS FARM PABST RAVEN.....      |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 02-26-54                       | 909839 2794992 551                | AI DAUGHTERS-25*    | 1163 | 11,749 | 3.8         | 446                   |        |             |                  |                    |            |                   |            |
| AI STUD, 23-05                 | LISTED, 05-64 540                 | WITH HERD-MATES     | 1137 | 11,783 | 3.8         | 447                   |        |             | 12               | 12,665             | 476        | 11,634            | 429        |
| STATES- 23,31,51,54            |                                   |                     |      |        |             |                       |        |             | OIFF.            | 882-               | 29-        |                   |            |
|                                |                                   | 3 NON-AI DAUGHTERS  | 9    | 11,259 | 3.7         | 412                   |        |             |                  |                    |            |                   |            |
|                                |                                   | 3 WITH HERD-MATES   | 9    | 11,259 | 3.7         | 412                   |        |             | 16               | 11,778             | 442        |                   |            |
|                                |                                   |                     |      |        |             |                       |        |             | OIFF.            | 519-               | 30-        |                   |            |
| 1237176                        | .....                             |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
|                                |                                   | 5 NON-AI DAUGHTERS  | 5    | 12,862 | 3.6         | 463                   |        |             |                  |                    |            |                   |            |
| STATES- 31                     |                                   | 5 WITH HERD-MATES   | 5    | 12,862 | 3.6         | 463                   |        |             | 8                | 14,770             | 513        |                   |            |
|                                |                                   |                     |      |        |             |                       |        |             | OIFF.            | 1908-              | 50-        |                   |            |
| 1237196                        | .....                             |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
|                                |                                   | 5 NON-AI DAUGHTERS  | 6    | 11,691 | 3.5         | 413                   |        |             |                  |                    |            |                   |            |
| STATES- 51                     |                                   | 5 WITH HERD-MATES   | 6    | 11,691 | 3.5         | 413                   |        |             | 16               | 11,203             | 413        |                   |            |
|                                |                                   |                     |      |        |             |                       |        |             | OIFF.            | 488                |            |                   |            |
| 1237214                        | SODNER REMER HAMLET.....          |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 01-19-54                       | 984802 3405495 8                  | NON-AI DAUGHTERS    | 16   | 14,529 | 3.5         | 505                   |        |             |                  |                    |            |                   |            |
| LISTED, 01-63 8                | WITH HERD-MATES                   |                     | 16   | 14,529 | 3.5         | 505                   |        |             | 18               | 13,614             | 475        |                   |            |
| STATES- 73                     |                                   |                     |      |        |             |                       |        |             | OIFF.            | 915                | 30         |                   |            |
| 1237269                        | WIS HEADLIGHT.....                |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 08-10-54                       | 1192327 3531155 6                 | AI DAUGHTERS-05     | 6    | 14,508 | 3.4         | 499                   |        |             |                  |                    |            |                   |            |
| AI STUD, 35-01                 | LISTED, 05-64 6                   | WITH HERD-MATES     | 6    | 14,508 | 3.4         | 499                   |        |             | 8                | 13,225             | 472        | 12,919            | 465        |
| STATES- 33,35                  |                                   |                     |      |        |             |                       |        |             | OIFF.            | 1283               | 27         |                   |            |
|                                |                                   | 25 NON-AI DAUGHTERS | 78   | 14,082 | 3.6         | 501                   |        |             |                  |                    |            |                   |            |
|                                |                                   | 25 WITH HERD-MATES  | 77   | 14,108 | 3.6         | 503                   |        |             | 7                | 13,539             | 493        |                   |            |
|                                |                                   |                     |      |        |             |                       |        |             | OIFF.            | 569                | 10         |                   |            |
| 1237270                        | WIS WHITE STANDARD.....           |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 08-14-54                       | 999669 2508781 269                | AI DAUGHTERS-25*    | 457  | 12,518 | 3.6         | 449                   |        |             |                  |                    |            |                   |            |
| AI STUD, 61-01                 | LISTED, 05-64 260                 | WITH HERD-MATES     | 433  | 12,519 | 3.6         | 448                   |        |             | 16               | 12,302             | 444        | 12,661            | 458        |
| STATES- 33,61,63               |                                   |                     |      |        |             |                       |        |             | OIFF.            | 217                | 4          |                   |            |
| 1237277                        | H S F DEAN DUKE.....              |                     |      |        |             |                       |        |             |                  |                    |            |                   |            |
| 10-09-53                       | 1112211 2995399 51                | NON-AI DAUGHTERS    | 111  | 13,541 | 3.7         | 498                   |        |             |                  |                    |            |                   |            |
| AI STUD, 61-01                 | LISTED, 05-64 48                  | WITH HERD-MATES     | 108  | 13,717 | 3.7         | 506                   |        |             | 16               | 13,405             | 497        |                   |            |
| STATES- 14,15,21,23,51,61      |                                   |                     |      |        |             |                       |        |             | OIFF.            | 312                | 9          |                   |            |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN   | AV. RECORDS<br>NUMBER | PRDUCTION<br>MILK L8 | DF<br>TEST % | DAU.<br>FAT L8 | ADJ.<br>AV. NUMBER | HERO-MATES<br>MILK L8 | AV.<br>FAT L8 | PREDICTED<br>MILK L8 | AV.<br>FAT L8 |
|--|-----------------------|----------------------|--------------|----------------|--------------------|-----------------------|---------------|----------------------|---------------|
| 1237332 SCIDVAL EXCELLENCY.....                          |                       |                      |              |                |                    |                       |               |                      |               |
| 09-12-52 866178 2697589 48 NON-AI DAUGHTERS              | 94                    | 14,361               | 3.6          | 513            |                    |                       |               |                      |               |
| LISTED, 08-62 48 WITH HERO-MATES                         | 93                    | 14,364               | 3.6          | 513            |                    |                       |               |                      |               |
| STATES- 31,57  |                       |                      |              |                | 6                  | 13,101                | 478           |                      |               |
|  |                       |                      |              |                | DIFF.              | 1263                  | 35            |                      |               |
| 1237401 CLYDE HILL M 8 8 DEAN ROSETTA.....               |                       |                      |              |                |                    |                       |               |                      |               |
| 08-08-54 860678 2589363 44 NON-AI DAUGHTERS              | 93                    | 15,180               | 3.8          | 575            |                    |                       |               |                      |               |
| LISTED, 08-62 43 WITH HERO-MATES                         | 92                    | 15,240               | 3.8          | 577            |                    |                       |               |                      |               |
| STATES- 43,92  |                       |                      |              |                | 21                 | 15,670                | 587           |                      |               |
|  |                       |                      |              |                | DIFF.              | 430-                  | 10-           |                      |               |
| 1237448 PLEASANT PLAIN PRINCE -TWIN-.....                |                       |                      |              |                |                    |                       |               |                      |               |
| 04-22-54 1066707 2268160 20 NON-AI DAUGHTERS             | 24                    | 14,792               | 3.7          | 549            |                    |                       |               |                      |               |
| LISTED, 03-64 20 WITH HERO-MATES                         | 24                    | 14,792               | 3.7          | 549            |                    |                       |               |                      |               |
| STATES- 32   |                       |                      |              |                | 11                 | 14,809                | 557           |                      |               |
|  |                       |                      |              |                | DIFF.              | 17-                   | 8-            |                      |               |
| 1237666 CARNATION FIRST CHOICE.....                      |                       |                      |              |                |                    |                       |               |                      |               |
| 05-26-54 943802 2638030 284 AI DAUGHTERS-25*             | 535                   | 12,894               | 3.7          | 483            |                    |                       |               |                      |               |
| AI STUD, 35-05 LISTED, 05-64 280 WITH HERO-MATES         | 531                   | 12,905               | 3.8          | 484            |                    |                       |               |                      |               |
| STATES- 22,23,31,32,33,35,41, 43,48,74,86                |                       |                      |              |                | 15                 | 12,942                | 472           | 12,481               | 468           |
|  |                       |                      |              |                | DIFF.              | 37-                   | 12            |                      |               |
| 1237747 MALLARY AUDACIOUS.....                           |                       |                      |              |                |                    |                       |               |                      |               |
| 05-12-54 1165353 1930238 18 AI DAUGHTERS-16              | 18                    | 12,581               | 3.6          | 458            |                    |                       |               |                      |               |
| AI STUD, 33-03 LISTED, 05-64 16 WITH HERO-MATES          | 16                    | 12,976               | 3.6          | 465            |                    |                       |               |                      |               |
| STATES- 11,12,13,14,16,21,23, 31,33,35,41,46,52,61       |                       |                      |              |                | 8                  | 13,131                | 488           | 12,420               | 444           |
|  |                       |                      |              |                | DIFF.              | 155-                  | 23-           |                      |               |
|  |                       |                      |              |                | 16                 | 13,988                | 542           |                      |               |
|  |                       |                      |              |                | DIFF.              | 372-                  | 15-           |                      |               |
| 1237775 BEACON EMBLEM ANDY.....                          |                       |                      |              |                |                    |                       |               |                      |               |
| 09-14-54 1209812 2569852 24 NON-AI DAUGHTERS             | 54                    | 11,564               | 3.4          | 396            |                    |                       |               |                      |               |
| LISTED, 01-63 24 WITH HERO-MATES                         | 53                    | 11,591               | 3.4          | 397            |                    |                       |               |                      |               |
| STATES- 23   |                       |                      |              |                | 7                  | 11,640                | 417           |                      |               |
|  |                       |                      |              |                | DIFF.              | 49-                   | 20-           |                      |               |
| 1237844 N P ABBEKERK ORION.....                          |                       |                      |              |                |                    |                       |               |                      |               |
| 06-10-54 922497 3339363 13 NON-AI DAUGHTERS              | 19                    | 11,260               | 3.7          | 412            |                    |                       |               |                      |               |
| LISTED, 11-63 12 WITH HERO-MATES                         | 18                    | 11,190               | 3.6          | 408            |                    |                       |               |                      |               |
| STATES- 47   |                       |                      |              |                | 10                 | 12,134                | 445           |                      |               |
|  |                       |                      |              |                | DIFF.              | 944-                  | 37-           |                      |               |
| 1238257 THENOARA THOR EMPRESS. ONYX.....                 |                       |                      |              |                |                    |                       |               |                      |               |
| 08-21-54 1112040 2704111 15 NON-AI DAUGHTERS             | 23                    | 12,919               | 3.7          | 473            |                    |                       |               |                      |               |
| LISTED, 01-63 15 WITH HERO-MATES                         | 23                    | 12,919               | 3.7          | 473            |                    |                       |               |                      |               |
| STATES- 21   |                       |                      |              |                | 24                 | 11,783                | 435           |                      |               |
|  |                       |                      |              |                | DIFF.              | 1136                  | 38            |                      |               |
| 1238318 VIGO LEANOER.....                                |                       |                      |              |                |                    |                       |               |                      |               |
| 01-29-54 915940 2759644 328 AI DAUGHTERS-25*             | 428                   | 13,907               | 3.6          | 494            |                    |                       |               |                      |               |
| AI STUD, 35-03 LISTED, 05-64 326 WITH HERO-MATES         | 426                   | 13,898               | 3.5          | 493            |                    |                       |               |                      |               |
| STATES- 14,16,21,23,32,33,34, 35,42,56,58,61,63,65,74,87 |                       |                      |              |                | 16                 | 13,506                | 494           | 12,946               | 458           |
|  |                       |                      |              |                | DIFF.              | 392                   | 1-            |                      |               |
|  |                       |                      |              |                | 19                 | 14,687                | 539           |                      |               |
|  |                       |                      |              |                | DIFF.              | 965                   | 11            |                      |               |
| 1238438 HOUOINI SPERGER M C BLOSSOM.....                 |                       |                      |              |                |                    |                       |               |                      |               |
| 11-13-53 1070226 2946638 20 NON-AI DAUGHTERS             | 33                    | 15,144               | 4.0          | 604            |                    |                       |               |                      |               |
| AI STUD, 35-75 LISTED, 05-64 20 WITH HERO-MATES          | 33                    | 15,144               | 4.0          | 604            |                    |                       |               |                      |               |
| STATES- 35,48,91   |                       |                      |              |                | 16                 | 14,724                | 566           |                      |               |
|  |                       |                      |              |                | DIFF.              | 420                   | 38            |                      |               |
| 1238650 ST. CROIXCO BURKE DON.....                       |                       |                      |              |                |                    |                       |               |                      |               |
| 04-27-54 1086220 2807250 8 NON-AI DAUGHTERS              | 21                    | 12,772               | 4.0          | 516            |                    |                       |               |                      |               |
| LISTED, 08-62 8 WITH HERO-MATES                          | 21                    | 12,772               | 4.0          | 516            |                    |                       |               |                      |               |
| STATES- 35   |                       |                      |              |                | 6                  | 12,462                | 469           |                      |               |
|  |                       |                      |              |                | DIFF.              | 310                   | 47            |                      |               |
| 1239069 EILLOC SOVEREIGN MILESTONE.....                  |                       |                      |              |                |                    |                       |               |                      |               |
| 02-05-54 010214469 3474047 48 NON-AI DAUGHTERS           | 100                   | 14,413               | 3.7          | 532            |                    |                       |               |                      |               |
| STATES- 86 48 WITH HERO-MATES                            | 100                   | 14,413               | 3.7          | 532            |                    |                       |               |                      |               |
|  |                       |                      |              |                | 26                 | 14,088                | 485           |                      |               |
|  |                       |                      |              |                | DIFF.              | 325                   | 47            |                      |               |
| 1239075 .....  |                       |                      |              |                |                    |                       |               |                      |               |
| STATES- 32,34  | 73                    | 12,682               | 3.6          | 454            |                    |                       |               |                      |               |
|  | 73                    | 12,682               | 3.6          | 454            |                    |                       |               |                      |               |
|  |                       |                      |              |                | 29                 | 12,978                | 446           |                      |               |
|  |                       |                      |              |                | DIFF.              | 296-                  | 8             |                      |               |
| 1239242 SEVENS BURKE SKYLARK.....                        |                       |                      |              |                |                    |                       |               |                      |               |
| 07-02-54 1001822 3092513 9 AI DAUGHTERS-09               | 9                     | 11,722               | 3.7          | 438            |                    |                       |               |                      |               |
| AI STUD, 35-75 LISTED, 05-64 9 WITH HERO-MATES           | 9                     | 11,722               | 3.7          | 438            |                    |                       |               |                      |               |
| STATES- 31,48,55,82,87,91,93                             |                       |                      |              |                | 20                 | 13,223                | 497           | 11,872               | 432           |
|  |                       |                      |              |                | DIFF.              | 1501-                 | 59-           |                      |               |
|  | 38                    | 14,682               | 3.7          | 546            |                    |                       |               |                      |               |
|  | 38                    | 14,682               | 3.7          | 546            |                    |                       |               |                      |               |
|  |                       |                      |              |                | 26                 | 13,641                | 501           |                      |               |
|  |                       |                      |              |                | DIFF.              | 1041                  | 45            |                      |               |
| 1239480 CULVER LIEU DICTATOR LEAOR.....                  |                       |                      |              |                |                    |                       |               |                      |               |
| 03-25-54 1145788 3099707 15 AI DAUGHTERS-14              | 26                    | 15,128               | 3.9          | 583            |                    |                       |               |                      |               |
| AI STUD, 32-02 LISTED, 05-64 15 WITH HERO-MATES          | 26                    | 15,128               | 3.9          | 583            |                    |                       |               |                      |               |
| STATES- 31,32,33,55,87                                   |                       |                      |              |                | 16                 | 13,664                | 509           | 13,342               | 498           |
|  |                       |                      |              |                | DIFF.              | 1464                  | 74            |                      |               |
|  | 1                     | 15,900               | 3.6          | 572            |                    |                       |               |                      |               |
|  | 1                     | 15,900               | 3.6          | 572            |                    |                       |               |                      |               |
|  |                       |                      |              |                | 6                  | 15,419                | 534           |                      |               |
|  |                       |                      |              |                | DIFF.              | 481                   | 38            |                      |               |
| 1239885 HIGH MEADOW FARM SPIC TWIN.....                  |                       |                      |              |                |                    |                       |               |                      |               |
| 08-29-54 831870 3203892 131 AI DAUGHTERS-25*             | 278                   | 12,419               | 3.8          | 467            |                    |                       |               |                      |               |
| AI STUD, 21-01 LISTED, 05-64 108 WITH HERO-MATES         | 239                   | 12,242               | 3.8          | 460            |                    |                       |               |                      |               |
| STATES- 13,21,22,23                                      |                       |                      |              |                | 15                 | 12,737                | 464           | 12,050               | 452           |
|  |                       |                      |              |                | DIFF.              | 495-                  | 4-            |                      |               |
| 1239886 HIGH MEADOW FARM SPAN -TWIN-.....                |                       |                      |              |                |                    |                       |               |                      |               |
| 08-29-54 831870 3203892 388 AI DAUGHTERS-25*             | 631                   | 13,402               | 3.7          | 499            |                    |                       |               |                      |               |
| AI STUD, 21-01 LISTED, 05-64 361 WITH HERO-MATES         | 583                   | 13,523               | 3.7          | 503            |                    |                       |               |                      |               |
| STATES- 13,14,16,21,23,35,51                             |                       |                      |              |                | 18                 | 13,470                | 488           | 12,618               | 472           |
|  |                       |                      |              |                | DIFF.              | 53                    | 15            |                      |               |
| 1239897 HICKORY CREEK F08ES CRESCENT.....                |                       |                      |              |                |                    |                       |               |                      |               |
| 04-23-54 949159 2733818 21 NON-AI DAUGHTERS              | 56                    | 11,007               | 3.6          | 396            |                    |                       |               |                      |               |
| STATES- 55 20 WITH HERO-MATES                            | 54                    | 11,156               | 3.6          | 401            |                    |                       |               |                      |               |
|  |                       |                      |              |                | 22                 | 10,906                | 391           |                      |               |
|  |                       |                      |              |                | DIFF.              | 250                   | 10            |                      |               |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN       |                                    |     |                  |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|----------------|------------------------------------|-----|------------------|-----|------------------------|---------------------|---------------|
|                |                                    |     |                  |     | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT      |
|                |                                    |     |                  |     | NUMBER L8 % L8         | NUMBER L8 L8        | L8 L8         |
| 1240125        | SPRUCE LAWN CHIEFTAIN SPICE.....   |     |                  |     |                        |                     |               |
| 08-24-54       | 829220 3220786                     | 127 | AI DAUGHTERS-25* | 301 | 13,536                 | 3.6                 | 487           |
| AI STUD, 21-01 | LISTED, 05-64                      | 114 | WITH HERD-MATES  | 273 | 13,701                 | 3.6                 | 492           |
| STATES-        | 13,14,21,23                        |     |                  |     |                        | 17                  | 12,826        |
|                |                                    |     |                  |     |                        | DIFF.               | 875           |
|                |                                    |     |                  |     |                        |                     | 466           |
|                |                                    |     |                  |     |                        |                     | 26            |
|                |                                    |     |                  |     |                        |                     | 13,290        |
|                |                                    |     |                  |     |                        |                     | 479           |
| 1240355        | MEISEGEIER DUN-AFTON.....          |     |                  |     |                        |                     |               |
| 10-09-54       | 1177959 2884827                    | 15  | NON-AI DAUGHTERS | 30  | 13,481                 | 4.0                 | 543           |
| AI STUD, 35-75 | LISTED, 05-64                      | 13  | WITH HERD-MATES  | 28  | 13,396                 | 4.0                 | 541           |
| STATES-        | 35,41,48                           |     |                  |     |                        | 10                  | 13,779        |
|                |                                    |     |                  |     |                        | DIFF.               | 383-          |
|                |                                    |     |                  |     |                        |                     | 506           |
|                |                                    |     |                  |     |                        |                     | 35            |
| 1240476        | .....                              |     |                  |     |                        |                     |               |
|                |                                    | 5   | NON-AI DAUGHTERS | 11  | 13,529                 | 3.3                 | 453           |
| STATES-        | 31                                 | 5   | WITH HERD-MATES  | 11  | 13,529                 | 3.3                 | 453           |
|                |                                    |     |                  |     |                        | 9                   | 14,520        |
|                |                                    |     |                  |     |                        | DIFF.               | 991-          |
|                |                                    |     |                  |     |                        |                     | 500           |
|                |                                    |     |                  |     |                        |                     | 47-           |
| 1240549        | DIAMOND S MR BEAUTY 8A VAR.....    |     |                  |     |                        |                     |               |
| 04-09-54       | 879145 2682027                     | 13  | AI DAUGHTERS-12  | 13  | 12,542                 | 3.7                 | 467           |
| AI STUD, 35-75 | LISTED, 05-64                      | 13  | WITH HERD-MATES  | 13  | 12,542                 | 3.7                 | 467           |
| STATES-        | 13,21,31,33,34,47,48,              |     |                  |     |                        | 17                  | 13,522        |
| 52,74,86,88,93 |                                    |     |                  |     |                        | DIFF.               | 980-          |
|                |                                    |     |                  |     |                        |                     | 496           |
|                |                                    |     |                  |     |                        |                     | 29-           |
|                |                                    |     |                  |     |                        |                     | 12,016        |
|                |                                    |     |                  |     |                        |                     | 442           |
|                |                                    | 17  | NON-AI DAUGHTERS | 17  | 14,676                 | 3.6                 | 529           |
|                |                                    | 16  | WITH HERD-MATES  | 16  | 14,514                 | 3.6                 | 522           |
|                |                                    |     |                  |     |                        | 45                  | 14,203        |
|                |                                    |     |                  |     |                        | DIFF.               | 311           |
|                |                                    |     |                  |     |                        |                     | 506           |
|                |                                    |     |                  |     |                        |                     | 16            |
| 1240660        | .....                              |     |                  |     |                        |                     |               |
|                |                                    | 5   | NON-AI DAUGHTERS | 9   | 11,050                 | 3.5                 | 387           |
| STATES-        | 43,48                              | 5   | WITH HERD-MATES  | 9   | 11,050                 | 3.5                 | 387           |
|                |                                    |     |                  |     |                        | 29                  | 11,952        |
|                |                                    |     |                  |     |                        | DIFF.               | 902-          |
|                |                                    |     |                  |     |                        |                     | 431           |
|                |                                    |     |                  |     |                        |                     | 44-           |
| 1240740        | CARYLAND NACHES PONTIAC.....       |     |                  |     |                        |                     |               |
| 12-29-53       | 1143791 2496161                    | 12  | NON-AI DAUGHTERS | 20  | 14,757                 | 3.7                 | 543           |
| AI STUD, 91-01 | LISTED, 03-64                      | 12  | WITH HERD-MATES  | 20  | 14,757                 | 3.7                 | 543           |
| STATES-        | 91                                 |     |                  |     |                        | 5                   | 14,541        |
|                |                                    |     |                  |     |                        | DIFF.               | 216           |
|                |                                    |     |                  |     |                        |                     | 547           |
|                |                                    |     |                  |     |                        |                     | 4-            |
| 1240917        | .....                              |     |                  |     |                        |                     |               |
|                |                                    | 6   | NON-AI DAUGHTERS | 15  | 13,920                 | 3.8                 | 529           |
| STATES-        | 14,16,21                           | 6   | WITH HERD-MATES  | 15  | 13,920                 | 3.8                 | 529           |
|                |                                    |     |                  |     |                        | 10                  | 13,449        |
|                |                                    |     |                  |     |                        | DIFF.               | 471           |
|                |                                    |     |                  |     |                        |                     | 499           |
|                |                                    |     |                  |     |                        |                     | 30            |
| 1241276        | HIGH MEADOW FARM ADA.....          |     |                  |     |                        |                     |               |
| 09-10-54       | 846425 2997745                     | 127 | AI DAUGHTERS-25* | 300 | 11,404                 | 3.6                 | 416           |
| AI STUD, 51-02 | LISTED, 05-64                      | 122 | WITH HERD-MATES  | 292 | 11,443                 | 3.6                 | 417           |
| STATES-        | 31,54                              |     |                  |     |                        | 15                  | 11,067        |
|                |                                    |     |                  |     |                        | DIFF.               | 376           |
|                |                                    |     |                  |     |                        |                     | 404           |
|                |                                    |     |                  |     |                        |                     | 13            |
|                |                                    | 3   | NON-AI DAUGHTERS | 8   | 10,679                 | 3.9                 | 414           |
|                |                                    | 3   | WITH HERD-MATES  | 8   | 10,679                 | 3.9                 | 414           |
|                |                                    |     |                  |     |                        | 11                  | 10,756        |
|                |                                    |     |                  |     |                        | DIFF.               | 77-           |
|                |                                    |     |                  |     |                        |                     | 389           |
|                |                                    |     |                  |     |                        |                     | 25            |
| 1241389        | MANCRYCO INKA RAG APPLE.....       |     |                  |     |                        |                     |               |
| 01-08-54       | 918396 2556098                     | 50  | AI DAUGHTERS-25* | 66  | 11,106                 | 4.0                 | 440           |
| AI STUD, 63-02 | LISTED, 05-64                      | 42  | WITH HERD-MATES  | 55  | 11,334                 | 3.9                 | 445           |
| STATES-        | 42,63                              |     |                  |     |                        | 15                  | 11,816        |
|                |                                    |     |                  |     |                        | DIFF.               | 482-          |
|                |                                    |     |                  |     |                        |                     | 440           |
|                |                                    |     |                  |     |                        |                     | 5             |
|                |                                    | 19  | NON-AI DAUGHTERS | 32  | 14,494                 | 3.9                 | 567           |
|                |                                    | 19  | WITH HERD-MATES  | 29  | 14,466                 | 3.9                 | 566           |
|                |                                    |     |                  |     |                        | 7                   | 14,830        |
|                |                                    |     |                  |     |                        | DIFF.               | 364-          |
|                |                                    |     |                  |     |                        |                     | 523           |
|                |                                    |     |                  |     |                        |                     | 43            |
| 1241427        | SRD ADVANCER PRESIDENT.....        |     |                  |     |                        |                     |               |
| 10-09-54       | 1203158 3318169                    | 15  | NON-AI DAUGHTERS | 16  | 16,108                 | 3.9                 | 635           |
| AI STUD, 35-75 | LISTED, 05-64                      | 15  | WITH HERD-MATES  | 16  | 16,108                 | 3.9                 | 635           |
| STATES-        | 74                                 |     |                  |     |                        | 43                  | 15,250        |
|                |                                    |     |                  |     |                        | DIFF.               | 858           |
|                |                                    |     |                  |     |                        |                     | 579           |
|                |                                    |     |                  |     |                        |                     | 56            |
| 1241451        | BDI SEEAUTGOV JIMMY.....           |     |                  |     |                        |                     |               |
| 06-28-54       | 831870 3421252                     | 18  | NON-AI DAUGHTERS | 19  | 13,504                 | 3.5                 | 476           |
| STATES-        | 31                                 | 18  | WITH HERD-MATES  | 19  | 13,504                 | 3.5                 | 476           |
|                |                                    |     |                  |     |                        | 17                  | 11,477        |
|                |                                    |     |                  |     |                        | DIFF.               | 2027          |
|                |                                    |     |                  |     |                        |                     | 416           |
|                |                                    |     |                  |     |                        |                     | 60            |
| 1241487        | WIS RAVEN CYCLONE.....             |     |                  |     |                        |                     |               |
| 11-16-54       | 1195760 2477373                    | 49  | NON-AI DAUGHTERS | 130 | 15,998                 | 3.6                 | 569           |
| AI STUD, 31-02 | LISTED, 05-64                      | 49  | WITH HERD-MATES  | 130 | 15,998                 | 3.6                 | 569           |
| STATES-        | 14,16,21,35,43,51,52,              |     |                  |     |                        | 21                  | 15,978        |
| 64             |                                    |     |                  |     |                        | DIFF.               | 20            |
|                |                                    |     |                  |     |                        |                     | 590           |
|                |                                    |     |                  |     |                        |                     | 21-           |
| 1241515        | BROWNDILL HARK PARADER.....        |     |                  |     |                        |                     |               |
| 07-24-54       | 1130395 3386846                    | 16  | NON-AI DAUGHTERS | 18  | 12,478                 | 4.0                 | 498           |
| STATES-        | 33                                 | 16  | WITH HERD-MATES  | 18  | 12,478                 | 4.0                 | 498           |
|                |                                    |     |                  |     |                        | 15                  | 13,113        |
|                |                                    |     |                  |     |                        | DIFF.               | 635-          |
|                |                                    |     |                  |     |                        |                     | 502           |
|                |                                    |     |                  |     |                        |                     | 4-            |
| 1241692        | ELMER BROOK ARISTOCRAT PRIDE.....  |     |                  |     |                        |                     |               |
| 10-01-53       | 1119383 2680422                    | 99  | AI DAUGHTERS-25* | 181 | 12,073                 | 3.6                 | 439           |
| AI STUD, 42-02 | LISTED, 08-62                      | 96  | WITH HERD-MATES  | 174 | 12,113                 | 3.6                 | 440           |
| STATES-        | 33,35,41,42,73                     |     |                  |     |                        | 13                  | 12,435        |
|                |                                    |     |                  |     |                        | DIFF.               | 322-          |
|                |                                    |     |                  |     |                        |                     | 453           |
|                |                                    |     |                  |     |                        |                     | 13-           |
|                |                                    | 11  | NON-AI DAUGHTERS | 28  | 13,897                 | 3.5                 | 488           |
|                |                                    | 11  | WITH HERD-MATES  | 28  | 13,897                 | 3.5                 | 488           |
|                |                                    |     |                  |     |                        | 5                   | 13,078        |
|                |                                    |     |                  |     |                        | DIFF.               | 819           |
|                |                                    |     |                  |     |                        |                     | 478           |
|                |                                    |     |                  |     |                        |                     | 10            |
| 1241766        | .....                              |     |                  |     |                        |                     |               |
|                |                                    | 8   | NON-AI DAUGHTERS | 8   | 12,158                 | 3.6                 | 442           |
| STATES-        | 31                                 | 8   | WITH HERD-MATES  | 8   | 12,158                 | 3.6                 | 442           |
|                |                                    |     |                  |     |                        | 19                  | 12,496        |
|                |                                    |     |                  |     |                        | DIFF.               | 338-          |
|                |                                    |     |                  |     |                        |                     | 444           |
|                |                                    |     |                  |     |                        |                     | 2-            |
| 1241768        | SHANGHIGH SALLIE BESS BURKE.....   |     |                  |     |                        |                     |               |
| 07-31-54       | 1006866 2192986                    | 10  | NON-AI DAUGHTERS | 18  | 15,911                 | 3.6                 | 570           |
| STATES-        | 32                                 | 10  | WITH HERD-MATES  | 17  | 15,899                 | 3.6                 | 570           |
|                |                                    |     |                  |     |                        | 10                  | 14,036        |
|                |                                    |     |                  |     |                        | DIFF.               | 1863          |
|                |                                    |     |                  |     |                        |                     | 524           |
|                |                                    |     |                  |     |                        |                     | 46            |
| 1241848        | GARDENIA INVINCIBLE SALLY.....     |     |                  |     |                        |                     |               |
| 08-17-54       | 1056882 2730473                    | 10  | NON-AI DAUGHTERS | 13  | 14,834                 | 3.3                 | 485           |
| STATES-        | 41                                 | 4   | WITH HERD-MATES  | 6   | 13,956                 | 3.5                 | 485           |
|                |                                    |     |                  |     |                        | 13                  | 13,697        |
|                |                                    |     |                  |     |                        | DIFF.               | 259           |
|                |                                    |     |                  |     |                        |                     | 489           |
|                |                                    |     |                  |     |                        |                     | 4-            |
| 1241889        | HICKORY CREEK HOMESTEAD GOMAR..... |     |                  |     |                        |                     |               |
| 10-21-54       | 1111083 2378140                    | 21  | NON-AI DAUGHTERS | 54  | 14,842                 | 3.6                 | 538           |
| AI STUD, 41-25 | LISTED, 05-64                      | 21  | WITH HERD-MATES  | 54  | 14,842                 | 3.6                 | 538           |
| STATES-        | 42                                 |     |                  |     |                        | 6                   | 14,231        |
|                |                                    |     |                  |     |                        | DIFF.               | 611           |
|                |                                    |     |                  |     |                        |                     | 519           |
|                |                                    |     |                  |     |                        |                     | 19            |



## SIREs OF DHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF DAU. |        |        |     | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |
|--|------------------------|--------|--------|-----|---------------------|--------|-----|---------------|-----|
|  | RECORDS                | MILK   | TEST   | FAT | NUMBER              | MILK   | FAT | MILK          | FAT |
|  | NUMBER                 | L8     | %      | L8  |                     | L8     | L8  | L8            | L8  |
| 1241914 RIVER VALLEY WALLIE SUPREME.....         |                        |        |        |     |                     |        |     |               |     |
| 11-09-54 1190632 3DD2373 32 NON-AI DAUGHTERS     | 49                     | 16,609 | 3.7    | 611 |                     |        |     |               |     |
| AI STUD, 33-03 LISTED, 05-64 31 WITH HERD-MATES  | 48                     | 16,523 | 3.7    | 610 |                     |        |     |               |     |
| STATES- 21,23                                    |                        |        |        |     | 26                  | 15,576 | 579 |               |     |
|  |                        |        |        |     | DIFF.               | 947    | 31  |               |     |
| 1241918 GRAY VIEW BURKE PROMINENT.....           |                        |        |        |     |                     |        |     |               |     |
| 04-27-54 895911 2396014 22 AI DAUGHTERS-10       | 26                     | 13,100 | 3.5    | 465 |                     |        |     |               |     |
| AI STUD, 21-01 LISTED, 05-64 22 WITH HERD-MATES  | 26                     | 13,100 | 3.5    | 465 |                     |        |     |               |     |
| STATES- 63                                       |                        |        |        |     | 19                  | 13,248 | 464 | 12,426        | 456 |
|  |                        |        |        |     | DIFF.               | 148-   | 1   |               |     |
| 1241982 ELKENDALE DE KDL SHELLEY.....            |                        |        |        |     |                     |        |     |               |     |
| 05-26-54 831870 2810024 124 AI DAUGHTERS-25*     | 260                    | 13,397 | 3.5    | 464 |                     |        |     |               |     |
| AI STUD, 21-01 LISTED, 08-63 118 WITH HERD-MATES | 248                    | 13,474 | 3.5    | 467 |                     |        |     |               |     |
| STATES- 13,21,22                                 |                        |        |        |     | 20                  | 12,937 | 469 | 12,997        | 454 |
|  |                        |        |        |     | DIFF.               | 537    | 2-  |               |     |
|  | 2 NON-AI DAUGHTERS     | 6      | 14,963 | 3.3 | 499                 |        |     |               |     |
|  | 2 WITH HERD-MATES      | 6      | 14,963 | 3.3 | 499                 |        |     |               |     |
|  |                        |        |        |     | 29                  | 13,877 | 509 |               |     |
|  |                        |        |        |     | DIFF.               | 1086   | 10- |               |     |
| 1242163 WOODSIDE FARM SEELEY OCAPDK.....         |                        |        |        |     |                     |        |     |               |     |
| 07-14-54 831870 2832284 70 AI DAUGHTERS-25*      | 162                    | 14,078 | 3.4    | 478 |                     |        |     |               |     |
| AI STUD, 21-01 LISTED, 05-64 64 WITH HERD-MATES  | 153                    | 14,258 | 3.4    | 486 |                     |        |     |               |     |
| STATES- 13,14,21,35,51                           |                        |        |        |     | 17                  | 13,022 | 473 | 13,555        | 468 |
|  |                        |        |        |     | DIFF.               | 1236   | 13  |               |     |
|  | 1 NON-AI DAUGHTERS     | 1      | 14,110 | 3.7 | 521                 |        |     |               |     |
|  | 1 WITH HERD-MATES      | 1      | 14,110 | 3.7 | 521                 |        |     |               |     |
|  |                        |        |        |     | 49                  | 12,186 | 444 |               |     |
|  |                        |        |        |     | DIFF.               | 1924   | 77  |               |     |
| 1242164 WOODSIDE FARM WAYNE SEGIS.....           |                        |        |        |     |                     |        |     |               |     |
| 07-04-54 837025 2422371 67 AI DAUGHTERS-25*      | 153                    | 12,343 | 3.5    | 434 |                     |        |     |               |     |
| AI STUD, 21-01 64 WITH HERD-MATES                | 147                    | 12,349 | 3.5    | 434 |                     |        |     |               |     |
| STATES- 13,14,21                                 |                        |        |        |     | 21                  | 12,827 | 466 | 12,100        | 429 |
|  |                        |        |        |     | DIFF.               | 478-   | 32- |               |     |
| 1242185 OOROTHIL COLANTHA LUCIFER.....           |                        |        |        |     |                     |        |     |               |     |
| 07-23-54 1151694 3552631 25 NON-AI DAUGHTERS     | 63                     | 13,205 | 4.0    | 533 |                     |        |     |               |     |
| AI STUD, 35-75 LISTED, 05-64 25 WITH HERD-MATES  | 63                     | 13,205 | 4.0    | 533 |                     |        |     |               |     |
| STATES- 55                                       |                        |        |        |     | 21                  | 12,713 | 495 |               |     |
|  |                        |        |        |     | DIFF.               | 492    | 38  |               |     |
| 1242194 MT PLEASANT BURKOWANA PRIOR.....         |                        |        |        |     |                     |        |     |               |     |
| 11-19-53 1083519 2800337 106 AI DAUGHTERS-25*    | 217                    | 13,269 | 3.6    | 480 |                     |        |     |               |     |
| AI STUD, 41-25 LISTED, 05-64 104 WITH HERD-MATES | 213                    | 13,283 | 3.6    | 481 |                     |        |     |               |     |
| STATES- 42                                       |                        |        |        |     | 17                  | 12,826 | 461 | 12,909        | 474 |
|  |                        |        |        |     | DIFF.               | 457    | 20  |               |     |
|  | 1 NON-AI DAUGHTERS     | 1      | 17,700 | 3.8 | 676                 |        |     |               |     |
|  | 1 WITH HERD-MATES      | 1      | 17,700 | 3.8 | 676                 |        |     |               |     |
|  |                        |        |        |     | 32                  | 13,359 | 474 |               |     |
|  |                        |        |        |     | DIFF.               | 4341   | 202 |               |     |
| 1242221 .....                                    |                        |        |        |     |                     |        |     |               |     |
|  | 9 NON-AI DAUGHTERS     | 9      | 16,651 | 3.8 | 632                 |        |     |               |     |
| STATES- 93                                       | 9 WITH HERD-MATES      | 9      | 16,651 | 3.8 | 632                 |        |     |               |     |
|  |                        |        |        |     | 11                  | 16,370 | 615 |               |     |
|  |                        |        |        |     | DIFF.               | 281    | 17  |               |     |
| 1242222 SKOKIE CREATION COMMODORE.....           |                        |        |        |     |                     |        |     |               |     |
| 11-04-54 1126982 2926195 21 NON-AI DAUGHTERS     | 31                     | 15,823 | 3.5    | 557 |                     |        |     |               |     |
| LISTED, 08-62 21 WITH HERD-MATES                 | 31                     | 15,823 | 3.5    | 557 |                     |        |     |               |     |
| STATES- 31                                       |                        |        |        |     | 14                  | 14,627 | 550 |               |     |
|  |                        |        |        |     | DIFF.               | 1196   | 7   |               |     |
| 1242278 ZELDEN RUST CONCENTRATE.....             |                        |        |        |     |                     |        |     |               |     |
| 10-03-54 1204515 3699465 602 AI DAUGHTERS-25*    | 833                    | 13,261 | 3.7    | 491 |                     |        |     |               |     |
| AI STUD, 11-01 LISTED, 05-64 555 WITH HERD-MATES | 768                    | 13,249 | 3.7    | 490 |                     |        |     |               |     |
| STATES- 11,12,13,14,16,21                        |                        |        |        |     | 18                  | 13,039 | 491 | 12,730        | 458 |
|  |                        |        |        |     | DIFF.               | 210    | 1-  |               |     |
|  | 1 NON-AI DAUGHTERS     | 2      | 14,645 | 3.6 | 534                 |        |     |               |     |
|  | 1 WITH HERD-MATES      | 2      | 14,645 | 3.6 | 534                 |        |     |               |     |
|  |                        |        |        |     | 5                   | 12,391 | 472 |               |     |
|  |                        |        |        |     | DIFF.               | 2254   | 62  |               |     |
| 1242338 PABST LEADER COMRE.....                  |                        |        |        |     |                     |        |     |               |     |
| 08-17-54 915940 2973772 113 AI DAUGHTERS-25*     | 153                    | 13,013 | 4.0    | 518 |                     |        |     |               |     |
| AI STUD, 41-25 LISTED, 05-64 112 WITH HERD-MATES | 151                    | 13,045 | 4.0    | 518 |                     |        |     |               |     |
| STATES- 33,35,41,42,45,46                        |                        |        |        |     | 18                  | 13,021 | 481 | 12,542        | 491 |
|  |                        |        |        |     | DIFF.               | 24     | 37  |               |     |
|  | 20 NON-AI DAUGHTERS    | 34     | 14,656 | 3.8 | 557                 |        |     |               |     |
|  | 20 WITH HERD-MATES     | 34     | 14,656 | 3.8 | 557                 |        |     |               |     |
|  |                        |        |        |     | 10                  | 13,835 | 482 |               |     |
|  |                        |        |        |     | DIFF.               | 821    | 75  |               |     |
| 1242350 PABST LEADER ROLYONS.....                |                        |        |        |     |                     |        |     |               |     |
| 10-06-54 915940 3149303 21 NON-AI DAUGHTERS      | 40                     | 14,972 | 3.6    | 543 |                     |        |     |               |     |
| LISTED, 08-62 21 WITH HERD-MATES                 | 40                     | 14,972 | 3.6    | 543 |                     |        |     |               |     |
| STATES- 42                                       |                        |        |        |     | 7                   | 13,681 | 503 |               |     |
|  |                        |        |        |     | DIFF.               | 1291   | 40  |               |     |
| 1242361 NELSONS RAG APPLE VEEOICTON.....         |                        |        |        |     |                     |        |     |               |     |
| 07-09-54 1121437 3065096 32 NON-AI DAUGHTERS     | 50                     | 10,754 | 3.6    | 386 |                     |        |     |               |     |
| LISTED, 08-63 32 WITH HERD-MATES                 | 50                     | 10,754 | 3.6    | 386 |                     |        |     |               |     |
| STATES- 35,74                                    |                        |        |        |     | 14                  | 11,586 | 410 |               |     |
|  |                        |        |        |     | DIFF.               | 832-   | 24- |               |     |
| 1242457 WASIOJA CHERRYBOLD TI VIC.....           |                        |        |        |     |                     |        |     |               |     |
| 09-27-54 1152351 2864697 6 AI DAUGHTERS-06       | 6                      | 9,193  | 3.6    | 331 |                     |        |     |               |     |
| AI STUD, 41-25 LISTED, 05-64 5 WITH HERD-MATES   | 5                      | 8,814  | 3.7    | 330 |                     |        |     |               |     |
| STATES- 41,45                                    |                        |        |        |     | 8                   | 10,311 | 391 | 11,974        | 436 |
|  |                        |        |        |     | DIFF.               | 1497-  | 61- |               |     |
|  | 23 NON-AI DAUGHTERS    | 48     | 13,272 | 4.0 | 530                 |        |     |               |     |
|  | 23 WITH HERD-MATES     | 47     | 13,234 | 4.0 | 528                 |        |     |               |     |
|  |                        |        |        |     | 10                  | 14,193 | 536 |               |     |
|  |                        |        |        |     | DIFF.               | 959-   | 8-  |               |     |
| 1242469 .....                                    |                        |        |        |     |                     |        |     |               |     |
|  | 19 NON-AI DAUGHTERS    | 39     | 13,066 | 3.8 | 501                 |        |     |               |     |
| STATES- 42                                       | 19 WITH HERD-MATES     | 39     | 13,066 | 3.8 | 501                 |        |     |               |     |
|  |                        |        |        |     | 25                  | 12,965 | 475 |               |     |
|  |                        |        |        |     | DIFF.               | 101    | 26  |               |     |
| 1242568 CIRCLE RASE MOLLIE BURKE.....            |                        |        |        |     |                     |        |     |               |     |
| 12-03-53 869946 3104514 11 NON-AI DAUGHTERS      | 15                     | 12,280 | 3.6    | 436 |                     |        |     |               |     |
| STATES- 31                                       | 13                     | 11,949 | 3.6    | 425 |                     |        |     |               |     |
|  |                        |        |        |     | 10                  | 13,115 | 486 |               |     |
|  |                        |        |        |     | DIFF.               | 1166-  | 61- |               |     |
| 1242667 CARNATION HOMESTEAD SKYBOY.....          |                        |        |        |     |                     |        |     |               |     |
| 07-08-54 943802 3010586 235 AI DAUGHTERS-25*     | 367                    | 13,612 | 3.7    | 497 |                     |        |     |               |     |
| AI STUD, 35-04 LISTED, 05-64 234 WITH HERD-MATES | 363                    | 13,624 | 3.6    | 497 |                     |        |     |               |     |
| STATES- 23,31,33,34,35,41,42,45,46,51,57,61      |                        |        |        |     | 15                  | 13,116 | 474 | 13,014        | 479 |
|  |                        |        |        |     | DIFF.               | 508    | 23  |               |     |
|  | 39 NON-AI DAUGHTERS    | 101    | 12,919 | 3.7 | 474                 |        |     |               |     |
|  | 34 WITH HERD-MATES     | 91     | 13,215 | 3.7 | 484                 |        |     |               |     |
|  |                        |        |        |     | 21                  | 13,041 | 484 |               |     |
|  |                        |        |        |     | DIFF.               | 174    |     |               |     |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN       |   |                     |     |        | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK LB | TEST<br>% | DAU.<br>FAT LB | ADJ. AV.<br>NUMBER | HERD-MATES<br>MILK LB | AV. FAT<br>LB | PREDICTED AV.<br>MILK LB | AV. FAT<br>LB |
|----------------|---|---------------------|-----|--------|-----------------------|--------------------------|-----------|----------------|--------------------|-----------------------|---------------|--------------------------|---------------|
| 1242670        | SCHONHOFF SIR ROONY ROAMER.....           |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 07-15-54       | 1043859 3224359 13                        | NON-AI DAUGHTERS    | 16  | 11,349 | 3.6                   | 411                      |           |                |                    |                       |               |                          |               |
|                | LISTED, 03-64 13                          | WITH HERD-MATES     | 16  | 11,349 | 3.6                   | 411                      |           |                |                    |                       |               |                          |               |
| STATES-        | 42,83                                     |                     |     |        |                       |                          |           |                | 5                  | 11,194                | 404           |                          |               |
|                |   |                     |     |        |                       |                          |           |                | OIFF.              | 155                   | 7             |                          |               |
| 1242677        | PLUM GROVE TY VIC GLORY.....              |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 11-02-53       | 923749 2805585 57                         | AI DAUGHTERS-14     | 93  | 12,428 | 3.5                   | 441                      |           |                |                    |                       |               |                          |               |
| AI STUD, 63-03 | LISTED, 05-64 55                          | WITH HERD-MATES     | 91  | 12,485 | 3.5                   | 443                      |           |                | 19                 | 12,946                | 453           | 12,132                   | 447           |
| STATES-        | 63  |                     |     |        |                       |                          |           |                | OIFF.              | 461-                  | 10-           |                          |               |
| 1242705        | OSBORNDAL SIR RICHARD ORMSBY.....         |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 05-29-54       | 934577 3247900 15                         | NON-AI DAUGHTERS    | 37  | 14,637 | 4.0                   | 588                      |           |                |                    |                       |               |                          |               |
| STATES-        | 12  | WITH HERD-MATES     | 37  | 14,637 | 4.0                   | 588                      |           |                | 15                 | 14,932                | 567           |                          |               |
|                |   |                     |     |        |                       |                          |           |                | DIFF.              | 295-                  | 21            |                          |               |
| 1242751        | .....                                     |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
|                |   | 5 NON-AI DAUGHTERS  | 6   | 10,607 | 3.8                   | 404                      |           |                |                    |                       |               |                          |               |
| STATES-        | 23,51                                     | 4 WITH HERD-MATES   | 5   | 11,084 | 3.8                   | 419                      |           |                | 38                 | 11,849                | 422           |                          |               |
|                |   |                     |     |        |                       |                          |           |                | OIFF.              | 765-                  | 3-            |                          |               |
| 1242791        | TIME-O-DAY ANKER TRIPP.....               |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 05-13-54       | 1112601 2969917 145                       | AI DAUGHTERS-25*    | 160 | 12,818 | 3.8                   | 483                      |           |                |                    |                       |               |                          |               |
| AI STUD, 41-25 | LISTED, 05-64 140                         | WITH HERD-MATES     | 155 | 12,943 | 3.8                   | 487                      |           |                | 20                 | 12,700                | 467           | 12,716                   | 474           |
| STATES-        | 35,41,45,91                               |                     |     |        |                       |                          |           |                | DIFF.              | 243                   | 20            |                          |               |
|                |   | 48 NON-AI DAUGHTERS | 139 | 13,998 | 3.8                   | 538                      |           |                | 7                  | 13,817                | 519           |                          |               |
|                |   | 48 WITH HERD-MATES  | 139 | 13,998 | 3.8                   | 538                      |           |                | DIFF.              | 181                   | 19            |                          |               |
| 1242816        | B D I MASGODO QUIZ.....                   |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 07-23-54       | 929962 3109553 92                         | NON-AI DAUGHTERS    | 264 | 14,613 | 3.6                   | 522                      |           |                |                    |                       |               |                          |               |
| AI STUD, 87-01 | LISTED, 05-64 92                          | WITH HERD-MATES     | 263 | 14,619 | 3.6                   | 522                      |           |                | 35                 | 14,424                | 508           |                          |               |
| STATES-        | 52  |                     |     |        |                       |                          |           |                | DIFF.              | 195                   | 14            |                          |               |
| 1243106        | YARBA ADMIRAL TRIUMPH.....                |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 07-26-54       | 769170 1908506 139                        | AI DAUGHTERS-25*    | 355 | 12,755 | 3.9                   | 495                      |           |                |                    |                       |               |                          |               |
| AI STUD, 23-08 | LISTED, 05-64 138                         | WITH HERD-MATES     | 354 | 12,775 | 3.9                   | 496                      |           |                | 13                 | 12,709                | 484           | 12,554                   | 469           |
| STATES-        | 23,50                                     |                     |     |        |                       |                          |           |                | OIFF.              | 66                    | 12            |                          |               |
| 1243121        | REOSPEAR CONCENTRATOR DUKE.....           |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 07-18-54       | 1152131 2353404 22                        | NON-AI DAUGHTERS    | 40  | 14,189 | 3.6                   | 510                      |           |                |                    |                       |               |                          |               |
|                | LISTED, 08-63 22                          | WITH HERD-MATES     | 35  | 14,120 | 3.6                   | 504                      |           |                | 20                 | 13,305                | 469           |                          |               |
| STATES-        | 46  |                     |     |        |                       |                          |           |                | OIFF.              | 815                   | 35            |                          |               |
| 1243170        | ROBSON REGAL JASPAR.....                  |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 08-21-54       | 1146113 2595794 24                        | NON-AI DAUGHTERS    | 35  | 12,988 | 3.7                   | 479                      |           |                |                    |                       |               |                          |               |
|                | LISTED, 11-63 24                          | WITH HERD-MATES     | 35  | 12,988 | 3.7                   | 479                      |           |                | 61                 | 12,295                | 473           |                          |               |
| STATES-        | 33  |                     |     |        |                       |                          |           |                | OIFF.              | 693                   | 6             |                          |               |
| 1243314        | .....                                     |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
|                |   | 9 NON-AI DAUGHTERS  | 14  | 14,929 | 3.6                   | 536                      |           |                |                    |                       |               |                          |               |
| STATES-        | 54,63                                     | 9 WITH HERD-MATES   | 14  | 14,929 | 3.6                   | 536                      |           |                | 11                 | 13,922                | 502           |                          |               |
|                |   |                     |     |        |                       |                          |           |                | OIFF.              | 1007                  | 34            |                          |               |
| 1243352        | MILLER ACRES GOLOEN VAR.....              |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 09-27-54       | 984267 2330519 27                         | NON-AI DAUGHTERS    | 71  | 14,310 | 3.5                   | 498                      |           |                |                    |                       |               |                          |               |
| STATES-        | 23,50                                     | 27 WITH HERD-MATES  | 70  | 14,301 | 3.5                   | 497                      |           |                | 13                 | 14,389                | 531           |                          |               |
|                |   |                     |     |        |                       |                          |           |                | DIFF.              | 88-                   | 34-           |                          |               |
| 1243357        | S D K PONTAC.....                         |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 12-06-53       | 1153837 3412089 24                        | NON-AI DAUGHTERS    | 57  | 13,044 | 3.4                   | 450                      |           |                |                    |                       |               |                          |               |
| STATES-        | 52  | 24 WITH HERD-MATES  | 57  | 13,044 | 3.4                   | 450                      |           |                | 22                 | 12,575                | 453           |                          |               |
|                |   |                     |     |        |                       |                          |           |                | DIFF.              | 469                   | 3-            |                          |               |
| 1243375        | SILVER TOP MODEL CREAMELLE.....           |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 10-26-54       | 1129358 2306948 13                        | NON-AI DAUGHTERS    | 18  | 11,678 | 3.6                   | 416                      |           |                |                    |                       |               |                          |               |
|                | LISTED, 11-63 13                          | WITH HERD-MATES     | 18  | 11,678 | 3.6                   | 416                      |           |                | 20                 | 13,526                | 475           |                          |               |
| STATES-        | 21  |                     |     |        |                       |                          |           |                | DIFF.              | 1848-                 | 59-           |                          |               |
| 1243697        | LAKEFIELD FOND HOPE.....                  |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 12-04-54       | 010212300 3232651 128                     | NON-AI DAUGHTERS    | 241 | 13,298 | 3.8                   | 499                      |           |                |                    |                       |               |                          |               |
| AI STUD, 31-01 | LISTED, 05-64 128                         | WITH HERD-MATES     | 240 | 13,288 | 3.8                   | 499                      |           |                | 14                 | 13,013                | 477           |                          |               |
| STATES-        | 12,23,35,42,43,46,47,48,51,63,71,73,84,87 |                     |     |        |                       |                          |           |                | OIFF.              | 275                   | 22            |                          |               |
| 1243728        | CAFFEE VALE PRINCE BURKE.....             |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 10-15-53       | 1015251 3325696 9                         | NON-AI DAUGHTERS    | 19  | 14,402 | 3.7                   | 540                      |           |                |                    |                       |               |                          |               |
| STATES-        | 32  | 9 WITH HERD-MATES   | 19  | 14,402 | 3.7                   | 540                      |           |                | 9                  | 15,336                | 559           |                          |               |
|                |   |                     |     |        |                       |                          |           |                | OIFF.              | 934-                  | 19-           |                          |               |
| 1244018        | RENO MONTVIC LOCHINVAR MOEL.....          |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 09-08-54       | 01011334 3428752 22                       | NON-AI DAUGHTERS    | 30  | 13,664 | 3.7                   | 505                      |           |                |                    |                       |               |                          |               |
| STATES-        | 31  | 22 WITH HERD-MATES  | 29  | 13,635 | 3.7                   | 503                      |           |                | 10                 | 12,760                | 476           |                          |               |
|                |   |                     |     |        |                       |                          |           |                | OIFF.              | 875                   | 27            |                          |               |
| 1244096        | TIDY HILL SENSATION MATE.....             |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 08-25-54       | 1210924 3386009 23                        | NON-AI DAUGHTERS    | 42  | 12,326 | 3.6                   | 448                      |           |                |                    |                       |               |                          |               |
|                | LISTED, 08-62 23                          | WITH HERD-MATES     | 41  | 12,242 | 3.6                   | 444                      |           |                | 10                 | 12,254                | 467           |                          |               |
| STATES-        | 13,14                                     |                     |     |        |                       |                          |           |                | OIFF.              | 12-                   | 23-           |                          |               |
| 1244118        | SLEEPY HOLLOW BURKE LEADER.....           |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 09-02-54       | 1191720 2460195 11                        | AI DAUGHTERS-01     | 14  | 14,181 | 3.9                   | 557                      |           |                |                    |                       |               |                          |               |
| AI STUD, 93-08 | LISTED, 11-63 11                          | WITH HERD-MATES     | 14  | 14,181 | 3.9                   | 557                      |           |                | 85                 | 15,774                | 592           | 11,877                   | 445           |
| STATES-        | 93  |                     |     |        |                       |                          |           |                | DIFF.              | 1593-                 | 35-           |                          |               |
| 1244166        | .....                                     |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
|                |   | 5 NON-AI DAUGHTERS  | 10  | 14,201 | 3.6                   | 509                      |           |                |                    |                       |               |                          |               |
| STATES-        | 93  | 5 WITH HERD-MATES   | 10  | 14,201 | 3.6                   | 509                      |           |                | 63                 | 15,882                | 565           |                          |               |
|                |   |                     |     |        |                       |                          |           |                | OIFF.              | 1681-                 | 56-           |                          |               |
| 1244185        | PETRO N O B S NUOINE.....                 |                     |     |        |                       |                          |           |                |                    |                       |               |                          |               |
| 11-13-52       | 846856 3653740 252                        | AI DAUGHTERS-25*    | 379 | 13,401 | 3.8                   | 508                      |           |                |                    |                       |               |                          |               |
| AI STUD, 11-01 | LISTED, 05-64 236                         | WITH HERD-MATES     | 358 | 13,457 | 3.8                   | 511                      |           |                | 16                 | 13,004                | 489           | 12,952                   | 479           |
| STATES-        | 11,12                                     |                     |     |        |                       |                          |           |                | OIFF.              | 453                   | 22            |                          |               |
|                |   | 37 NON-AI DAUGHTERS | 107 | 13,321 | 3.9                   | 519                      |           |                |                    |                       |               |                          |               |
|                |   | 37 WITH HERD-MATES  | 107 | 13,321 | 3.9                   | 519                      |           |                | 17                 | 12,769                | 494           |                          |               |
|                |   |                     |     |        |                       |                          |           |                | OIFF.              | 552                   | 25            |                          |               |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                                   | AV. RECDRDS<br>NUMBER | PRODUCTION<br>MILK<br>LB | DF<br>TEST<br>% | DAU.<br>FAT<br>LB | ADJ.<br>AV.<br>NUMBER | HERD-MATES<br>MILK<br>LB | AV.<br>FAT<br>LB | PREDICTED<br>MILK<br>LB | AV.<br>FAT<br>LB |
|--|-----------------------|--------------------------|-----------------|-------------------|-----------------------|--------------------------|------------------|-------------------------|------------------|
| 1244451 .....                              |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| STATES- 23,42                              | 17                    | NDN-AI DAUGHTERS         | 41              | 13,219            | 3.8                   | 502                      |                  |                         |                  |
|  | 17                    | WITH HERD-MATES          | 40              | 13,222            | 3.8                   | 503                      | 11               | 13,032                  | 482              |
|  |                       |                          |                 |                   |                       |                          | DIFF.            | 190                     | 21               |
| 1244522 KAUFMAN COMMANDER SIR GALAHAD..... |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| 11-23-54 1091007 2560585 9                 | NDN-AI DAUGHTERS      | 11                       | 15,454          | 3.6               | 552                   |                          |                  |                         |                  |
| LISTED, 11-63 9                            | WITH HERD-MATES       | 10                       | 15,404          | 3.6               | 551                   | 9                        | 14,410           | 513                     |                  |
| STATES- 31                                 |                       |                          |                 |                   |                       |                          | DIFF.            | 994                     | 38               |
| 1244723 BAUGD VALLEY GRAND PRINCE.....     |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| 08-19-54 1192251 2932022 21                | NDN-AI DAUGHTERS      | 51                       | 14,102          | 3.6               | 513                   |                          |                  |                         |                  |
| LISTED, 08-62 21                           | WITH HERD-MATES       | 50                       | 14,072          | 3.6               | 512                   | 8                        | 13,998           | 515                     |                  |
| STATES- 32,34                              |                       |                          |                 |                   |                       |                          | DIFF.            | 74                      | 3-               |
| 1244774 .....                              |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| STATES- 33                                 | 26                    | NDN-AI DAUGHTERS         | 50              | 11,857            | 3.6                   | 426                      |                  |                         |                  |
|  | 22                    | WITH HERD-MATES          | 46              | 11,804            | 3.6                   | 424                      | 9                | 12,336                  | 428              |
|  |                       |                          |                 |                   |                       |                          | DIFF.            | 532-                    | 4-               |
| 1244844 GRAY VIEW SYM8DL CRITERIDN.....    |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| 09-10-54 1189593 3474318 2                 | AI DAUGHTERS-02       |                          |                 |                   |                       |                          |                  |                         |                  |
| AI STUD, 33-03 LISTED, 05-64 2             | WITH HERD-MATES       |                          |                 |                   |                       |                          |                  |                         |                  |
| STATES- 21,23,33,35,63,74                  |                       |                          |                 |                   |                       |                          |                  |                         |                  |
|  | 31                    | NDN-AI DAUGHTERS         | 65              | 14,449            | 3.7                   | 534                      |                  |                         |                  |
|  | 31                    | WITH HERD-MATES          | 65              | 14,449            | 3.7                   | 534                      | 22               | 14,061                  | 521              |
|  |                       |                          |                 |                   |                       |                          | DIFF.            | 388                     | 13               |
| 1244845 GRAY VIEW SKYLINER.....            |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| 09-15-54 1189593 3352652 1169              | AI DAUGHTERS-25*      | 1193                     | 14,597          | 3.6               | 525                   |                          |                  |                         |                  |
| AI STUD, 33-03 LISTED, 05-64 1147          | WITH HERD-MATES       | 1168                     | 14,629          | 3.6               | 526                   | 17                       | 13,852           | 508                     | 13,368 478       |
| STATES- 11,12,13,14,15,16,21,              |                       |                          |                 |                   |                       |                          | DIFF.            | 777                     | 18               |
| 22,23,31,32,33,34,35,41,42,43,             | 193                   | NDN-AI DAUGHTERS         | 275             | 14,734            | 3.6                   | 524                      |                  |                         |                  |
| 45,46,47,48,50,51,52,54,55,56,             | 192                   | WITH HERD-MATES          | 274             | 14,754            | 3.6                   | 524                      | 24               | 13,763                  | 506              |
| 57,61,63,64,71,73,74,82,84,86,             |                       |                          |                 |                   |                       |                          | DIFF.            | 991                     | 18               |
| 87,91,92,93                                |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| 1244905 CDHRAN SDVEREIGN SPECIALIST.....   |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| 03-27-54 949121 3038409 47                 | NDN-AI DAUGHTERS      | 102                      | 10,903          | 3.8               | 410                   |                          |                  |                         |                  |
| STATES- 21 47                              | WITH HERD-MATES       | 102                      | 10,903          | 3.8               | 410                   | 12                       | 11,774           | 427                     |                  |
|  |                       |                          |                 |                   |                       |                          | DIFF.            | 871-                    | 17-              |
| 1245060 .....                              |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| STATES- 33                                 | 6                     | NDN-AI DAUGHTERS         | 6               | 14,408            | 3.7                   | 534                      |                  |                         |                  |
|  | 5                     | WITH HERD-MATES          | 5               | 14,192            | 3.7                   | 521                      | 3                | 14,821                  | 528              |
|  |                       |                          |                 |                   |                       |                          | DIFF.            | 629-                    | 7-               |
| 1245168 .....                              |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| STATES- 12,13,14                           | 5                     | NDN-AI DAUGHTERS         | 12              | 13,242            | 3.8                   | 500                      |                  |                         |                  |
|  | 5                     | WITH HERD-MATES          | 11              | 13,458            | 3.8                   | 506                      | 21               | 13,348                  | 495              |
|  |                       |                          |                 |                   |                       |                          | DIFF.            | 110                     | 11               |
| 1245189 HEWFIELDS EMPERDR PILDT F08ES..... |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| 02-28-54 1127694 2875435 12                | NDN-AI DAUGHTERS      | 12                       | 12,079          | 3.4               | 405                   |                          |                  |                         |                  |
| LISTED, 03-64 12                           | WITH HERD-MATES       | 12                       | 12,079          | 3.4               | 405                   | 10                       | 11,440           | 395                     |                  |
| STATES- 34                                 |                       |                          |                 |                   |                       |                          | DIFF.            | 639                     | 10               |
| 1245206 GENE ACRES COMMANDER.....          |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| 11-20-54 1074603 2749457 13                | NDN-AI DAUGHTERS      | 17                       | 12,032          | 3.3               | 400                   |                          |                  |                         |                  |
| LISTED, 03-64 13                           | WITH HERD-MATES       | 17                       | 12,032          | 3.3               | 400                   | 13                       | 12,914           | 435                     |                  |
| STATES- 35                                 |                       |                          |                 |                   |                       |                          | DIFF.            | 882-                    | 35-              |
| 1245270 TOWN SIDE DEAN CYRUS DRMS8Y.....   |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| 04-04-54 822913 2963982 13                 | NDN-AI DAUGHTERS      | 33                       | 13,995          | 3.7               | 520                   |                          |                  |                         |                  |
| LISTED, 08-63 13                           | WITH HERD-MATES       | 33                       | 13,995          | 3.7               | 520                   | 12                       | 13,578           | 457                     |                  |
| STATES- 21                                 |                       |                          |                 |                   |                       |                          | DIFF.            | 417                     | 63               |
| 1245390 MDDSEHEART PRESIDENT.....          |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| 09-02-54 1109640 3223576 62                | AI DAUGHTERS-25*      | 76                       | 14,115          | 3.4               | 483                   |                          |                  |                         |                  |
| AI STUD, 35-05 LISTED, 05-64 60            | WITH HERD-MATES       | 74                       | 14,177          | 3.4               | 487                   | 19                       | 12,819           | 462                     | 13,627 477       |
| STATES- 23,33,35,41,42,86                  |                       |                          |                 |                   |                       |                          | DIFF.            | 1358                    | 25               |
|  | 9                     | NDN-AI DAUGHTERS         | 20              | 14,697            | 3.8                   | 556                      |                  |                         |                  |
|  | 9                     | WITH HERD-MATES          | 20              | 14,697            | 3.8                   | 556                      | 15               | 14,108                  | 536              |
|  |                       |                          |                 |                   |                       |                          | DIFF.            | 589                     | 20               |
| 1245520 STDWMDNT MASTERDEAN VALIANT.....   |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| 12-09-54 929962 2959627 169                | AI DAUGHTERS-25*      | 342                      | 13,382          | 3.5               | 474                   |                          |                  |                         |                  |
| AI STUD, 21-01 LISTED, 05-64 144           | WITH HERD-MATES       | 302                      | 13,559          | 3.5               | 479                   | 16                       | 12,975           | 471                     | 13,054 464       |
| STATES- 13,21,23                           |                       |                          |                 |                   |                       |                          | DIFF.            | 584                     | 8                |
| 1245535 OAK EDGE 8DNNIE 8URKE.....         |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| 04-21-54 1104796 3324791 1                 | AI DAUGHTERS-01       |                          |                 |                   |                       |                          |                  |                         |                  |
| AI STUD, 63-01 LISTED, 05-64 1             | WITH HERD-MATES       |                          |                 |                   |                       |                          |                  |                         |                  |
| STATES- 34,63                              |                       |                          |                 |                   |                       |                          |                  |                         |                  |
|  | 41                    | NDN-AI DAUGHTERS         | 104             | 14,926            | 3.8                   | 569                      |                  |                         |                  |
|  | 41                    | WITH HERD-MATES          | 104             | 14,926            | 3.8                   | 569                      | 6                | 14,613                  | 559              |
|  |                       |                          |                 |                   |                       |                          | DIFF.            | 313                     | 10               |
| 1245651 .....                              |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| STATES- 31,34                              | 14                    | NDN-AI DAUGHTERS         | 21              | 10,438            | 3.9                   | 404                      |                  |                         |                  |
|  | 13                    | WITH HERD-MATES          | 20              | 10,794            | 3.9                   | 418                      | 8                | 11,468                  | 413              |
|  |                       |                          |                 |                   |                       |                          | DIFF.            | 674-                    | 5                |
| 1245671 GLENMDRE REGENT.....               |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| 11-09-54 1143067 3009623 13                | AI DAUGHTERS-09       | 17                       | 13,021          | 3.9               | 503                   |                          |                  |                         |                  |
| AI STUD, 35-01 LISTED, 05-64 13            | WITH HERD-MATES       | 17                       | 13,021          | 3.9               | 503                   | 13                       | 12,410           | 448                     | 12,786 483       |
| STATES- 35,41                              |                       |                          |                 |                   |                       |                          | DIFF.            | 611                     | 55               |
| 1245677 WEBER DICTATDR SYM8DL.....         |                       |                          |                 |                   |                       |                          |                  |                         |                  |
| 12-05-54 1204163 3245007 9                 | NON-AI DAUGHTERS      | 17                       | 12,733          | 3.5               | 445                   |                          |                  |                         |                  |
| LISTED, 08-62 9                            | WITH HERD-MATES       | 17                       | 12,733          | 3.5               | 445                   | 8                        | 13,273           | 465                     |                  |
| STATES- 82,87                              |                       |                          |                 |                   |                       |                          | DIFF.            | 540-                    | 20-              |



| SIRES OF DHIA DAUGHTERS                    |     |                  |      |        | AV. PRDUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--|-----|------------------|------|--------|-----------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
| HOLSTEIN                                   |     |                  |      |        | RECORDS<br>NUMBER     | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1245779 .....                              |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| STATES- 91                                 | 14  | NDN-AI DAUGHTERS | 17   | 15,016 | 3.6                   | 543        |           |           | 22                  | 14,733     | 534       |               |           |
|  | 14  | WITH HERD-MATES  | 17   | 15,016 | 3.6                   | 543        |           |           | DIFF.               | 283        | 9         |               |           |
| 1245948 FAIR HILL DVATION.....             |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 12-14-54 978751 2962054                    | 16  | NDN-AI DAUGHTERS | 23   | 15,150 | 3.8                   | 580        |           |           | 32                  | 14,438     | 546       |               |           |
| LISTED, 08-63                              | 16  | WITH HERD-MATES  | 23   | 15,150 | 3.8                   | 580        |           |           | DIFF.               | 712        | 34        |               |           |
| STATES- 51                                 |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 1246183 RDSAFE CALIBAN.....                |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 09-02-53 010121004 010813661               | 536 | AI DAUGHTERS-25* | 867  | 13,481 | 3.4                   | 460        |           |           | 22                  | 13,463     | 483       | 12,597        | 436       |
| AI STUD, 31-02 LISTED, 05-64               | 519 | WITH HERD-MATES  | 843  | 13,494 | 3.4                   | 460        |           |           | DIFF.               | 31         | 23-       |               |           |
| STATES- 23,31,32,34,43,54,55,              |     |                  |      |        |                       |            |           |           | 2                   | 12,070     | 457       |               |           |
| 56,57,58,61,64,74,84                       | 1   | NDN-AI DAUGHTERS | 1    | 10,090 | 3.7                   | 372        |           |           | DIFF.               | 1980-      | 85-       |               |           |
|  | 1   | WITH HERD-MATES  | 1    | 10,090 | 3.7                   | 372        |           |           |                     |            |           |               |           |
| 1246256 .....                              |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| STATES- 14                                 | 38  | NDN-AI DAUGHTERS | 91   | 13,970 | 4.2                   | 590        |           |           | 10                  | 13,885     | 582       |               |           |
|  | 38  | WITH HERD-MATES  | 91   | 13,970 | 4.2                   | 590        |           |           | DIFF.               | 85         | 8         |               |           |
| 1246532 CDCHHRAN TDNY SDVEREIGN DOLLY..... |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 03-30-54 959121 2972382                    | 35  | NDN-AI DAUGHTERS | 74   | 11,509 | 3.6                   | 418        |           |           | 19                  | 13,831     | 494       |               |           |
| LISTED, 08-62                              | 35  | WITH HERD-MATES  | 73   | 11,524 | 3.6                   | 419        |           |           | DIFF.               | 2307-      | 75-       |               |           |
| STATES- 21                                 |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 1246671 TDLEDD GOVERN FLEETWING 8UD.....   |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 08-31-54 1060490 3096141                   | 13  | NDN-AI DAUGHTERS | 13   | 11,698 | 3.6                   | 420        |           |           | 8                   | 12,054     | 424       |               |           |
| LISTED, 11-63                              | 13  | WITH HERD-MATES  | 13   | 11,698 | 3.6                   | 420        |           |           | DIFF.               | 356-       | 4-        |               |           |
| STATES- 31,51                              |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 1246729 JONDALE RAVEN.....                 |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 02-09-54 909839 2473024                    | 601 | AI DAUGHTERS-25* | 1000 | 12,070 | 3.9                   | 475        |           |           | 15                  | 12,743     | 467       | 11,873        | 465       |
| AI STUD, 41-25 LISTED, 05-64               | 563 | WITH HERD-MATES  | 932  | 12,099 | 3.9                   | 476        |           |           | DIFF.               | 644-       | 9         |               |           |
| STATES- 33,34,35,41,42,45,46,              |     |                  |      |        |                       |            |           |           | 11                  | 12,997     | 473       |               |           |
| 47,72                                      | 12  | NDN-AI DAUGHTERS | 31   | 11,784 | 4.1                   | 480        |           |           | DIFF.               | 1275-      |           |               |           |
|  | 11  | WITH HERD-MATES  | 30   | 11,722 | 4.0                   | 473        |           |           |                     |            |           |               |           |
| 1246813 WHITE GABLES COMET LAD.....        |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 10-23-53 959466 3585288                    | 37  | NDN-AI DAUGHTERS | 37   | 8,451  | 3.6                   | 301        |           |           | 18                  | 9,565      | 335       |               |           |
| LISTED, 03-64                              | 37  | WITH HERD-MATES  | 37   | 8,451  | 3.6                   | 301        |           |           | DIFF.               | 1114-      | 34-       |               |           |
| STATES- 31,46                              |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 1246862 BARMAN IMPERIAL RIGHTD.....        |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 01-23-55 1028664 3298870                   | 43  | NDN-AI DAUGHTERS | 100  | 11,952 | 3.7                   | 440        |           |           | 29                  | 11,905     | 435       |               |           |
| LISTED, 08-62                              | 43  | WITH HERD-MATES  | 100  | 11,952 | 3.7                   | 440        |           |           | DIFF.               | 47         | 5         |               |           |
| STATES- 33,35,52,56,57                     |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 1246866 MANCRYCD DICTATOR GALLANT.....     |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 07-24-54 1150949 3242761                   | 11  | NDN-AI DAUGHTERS | 12   | 13,531 | 3.7                   | 504        |           |           | 18                  | 14,043     | 516       |               |           |
| LISTED, 03-64                              | 11  | WITH HERD-MATES  | 12   | 13,531 | 3.7                   | 504        |           |           | DIFF.               | 512-       | 12-       |               |           |
| STATES- 45,46,47                           |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 1246902 CLIFFVIEW BURKE RAVEN.....         |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 08-11-54 909839 2967024                    | 10  | NDN-AI DAUGHTERS | 15   | 11,779 | 3.7                   | 433        |           |           | 6                   | 13,221     | 478       |               |           |
| LISTED, 08-62                              | 10  | WITH HERD-MATES  | 14   | 11,811 | 3.7                   | 434        |           |           | DIFF.               | 1410-      | 44-       |               |           |
| STATES- 48                                 |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 1246936 SPITZER R VAR STAR.....            |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 02-28-54 1109641 2799520                   | 21  | NDN-AI DAUGHTERS | 41   | 12,523 | 3.8                   | 471        |           |           | 4                   | 13,272     | 440       |               |           |
| LISTED, 03-64                              | 21  | WITH HERD-MATES  | 41   | 12,523 | 3.8                   | 471        |           |           | DIFF.               | 749-       | 31        |               |           |
| STATES- 31                                 |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 1247008 ALBRECHT TRADE MARK BURKE LAD..... |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 09-23-54 1195221 3243903                   | 38  | NDN-AI DAUGHTERS | 65   | 13,387 | 3.7                   | 501        |           |           | 11                  | 13,154     | 466       |               |           |
| AI STUD, 41-01 LISTED, 05-64               | 38  | WITH HERD-MATES  | 65   | 13,387 | 3.7                   | 501        |           |           | DIFF.               | 233        | 35        |               |           |
| STATES- 41                                 |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 1247009 ALBRECHT TRADEMARK.....            |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 09-24-54 1195221 2925648                   | 1   | AI DAUGHTERS-01  |      |        |                       |            |           |           |                     |            |           |               |           |
| AI STUD, 41-01 LISTED, 05-64               | 1   | WITH HERD-MATES  |      |        |                       |            |           |           |                     |            |           |               |           |
| STATES- 41,45,46                           |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
|  | 42  | NDN-AI DAUGHTERS | 82   | 14,125 | 3.6                   | 503        |           |           | 13                  | 13,984     | 496       |               |           |
|  | 42  | WITH HERD-MATES  | 82   | 14,125 | 3.6                   | 503        |           |           | DIFF.               | 141        | 7         |               |           |
| 1247061 RD8ENSTEAD SUPREME DUKE.....       |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 11-10-54 1112211 3432067                   | 34  | NDN-AI DAUGHTERS | 72   | 10,878 | 3.7                   | 398        |           |           | 14                  | 10,704     | 400       |               |           |
| STATES- 21                                 | 33  | WITH HERD-MATES  | 71   | 10,909 | 3.7                   | 400        |           |           | DIFF.               | 205        |           |               |           |
| 1247197 .....                              |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| STATES- 93                                 | 7   | NDN-AI DAUGHTERS | 11   | 14,981 | 3.6                   | 543        |           |           | 35                  | 17,146     | 601       |               |           |
|  | 7   | WITH HERD-MATES  | 11   | 14,981 | 3.6                   | 543        |           |           | DIFF.               | 2165-      | 58-       |               |           |
| 1247237 8REEZEWDODD CHAMPION.....          |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| 06-05-54 1190280 2182820                   | 115 | AI DAUGHTERS-25* | 117  | 13,472 | 3.6                   | 484        |           |           | 11                  | 13,438     | 486       | 12,731        | 460       |
| AI STUD, 34-01 LISTED, 05-64               | 111 | WITH HERD-MATES  | 112  | 13,630 | 3.6                   | 488        |           |           | DIFF.               | 192        | 2         |               |           |
| STATES- 22,23,31,32,34,35                  |     |                  |      |        |                       |            |           |           | 12                  | 15,223     | 525       |               |           |
|  | 40  | NDN-AI DAUGHTERS | 82   | 15,210 | 3.7                   | 563        |           |           | DIFF.               | 148-       | 36        |               |           |
|  | 39  | WITH HERD-MATES  | 81   | 15,075 | 3.7                   | 561        |           |           |                     |            |           |               |           |
| 1247314 .....                              |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| STATES- 48                                 | 5   | NDN-AI DAUGHTERS | 11   | 14,775 | 3.8                   | 568        |           |           | 10                  | 12,798     | 477       |               |           |
|  | 5   | WITH HERD-MATES  | 11   | 14,775 | 3.8                   | 568        |           |           | DIFF.               | 1977       | 91        |               |           |
| 1247349 .....                              |     |                  |      |        |                       |            |           |           |                     |            |           |               |           |
| STATES- 93                                 | 7   | NDN-AI DAUGHTERS | 7    | 16,057 | 3.6                   | 582        |           |           | 11                  | 15,043     | 529       |               |           |
|  | 7   | WITH HERD-MATES  | 7    | 16,057 | 3.6                   | 582        |           |           | DIFF.               | 1014       | 53        |               |           |

## SIREs OF OHIA DAUGHTERS

| HOLSTEIN  | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |
|---|------------------------|--------|------|-----|---------------------|--------|-----|---------------|-----|
|   | RECORDS                | MILK   | TEST | FAT | AV.                 | MILK   | FAT | MILK          | FAT |
|   | NUMBER                 | LB     | %    | LB  | NUMBER              | LB     | LB  | LB            | LB  |
| 1247380 R A FOND HDPE.....                        |                        |        |      |     |                     |        |     |               |     |
| 01-08-54 010212300 3763479 11 NDN-AI DAUGHTERS    | 11                     | 13,719 | 3.9  | 535 |                     |        |     |               |     |
| LISTED, 05-64 11 WITH HERD-MATES                  | 11                     | 13,719 | 3.9  | 535 | 19                  | 13,938 | 506 |               |     |
| STATES- 34  |                        |        |      |     | DIFF.               | 219-   | 29  |               |     |
| 1248075 801 CRUEMPO ACE.....                      |                        |        |      |     |                     |        |     |               |     |
| 11-22-54 941780 3674675 35 NON-AI DAUGHTERS       | 67                     | 13,614 | 3.3  | 444 |                     |        |     |               |     |
| LISTED, 03-64 35 WITH HERD-MATES                  | 67                     | 13,614 | 3.3  | 444 | 12                  | 13,261 | 443 |               |     |
| STATES- 52  |                        |        |      |     | DIFF.               | 353    | 1   |               |     |
| 1248311 STRATHAVEN EMINENT.....                   |                        |        |      |     |                     |        |     |               |     |
| 07-29-50 1149833 010363043 1016 AI DAUGHTERS-25*  | 2274                   | 12,608 | 3.7  | 467 |                     |        |     |               |     |
| AI STUD, 23-04 LISTED, 05-64 1010 WITH HERD-MATES | 2242                   | 12,625 | 3.7  | 468 | 13                  | 13,156 | 494 | 12,017        | 433 |
| STATES- 21,22,23,50,51                            |                        |        |      |     | DIFF.               | 531-   | 26- |               |     |
|   | 12                     | 11,130 | 3.7  | 415 | 9                   | 12,492 | 455 |               |     |
|   | 11                     | 11,085 | 3.7  | 413 | DIFF.               | 1407-  | 42- |               |     |
| 1248558 CHERRY8OLD POSCH TRIUMPH.....             |                        |        |      |     |                     |        |     |               |     |
| 11-18-54 1197531 3062309 33 NDN-AI DAUGHTERS      | 39                     | 14,102 | 3.7  | 525 |                     |        |     |               |     |
| LISTED, 03-64 33 WITH HERD-MATES                  | 39                     | 14,102 | 3.7  | 525 | 11                  | 14,837 | 534 |               |     |
| STATES- 34,35,41                                  |                        |        |      |     | DIFF.               | 735-   | 9-  |               |     |
| 1248560 CHERRY8OLD POSCH RAVEN.....               |                        |        |      |     |                     |        |     |               |     |
| 12-16-54 1197531 3448323 5 NON-AI DAUGHTERS       | 8                      | 11,592 | 3.8  | 438 |                     |        |     |               |     |
| LISTED, 05-64 5 WITH HERD-MATES                   | 8                      | 11,592 | 3.8  | 438 | 11                  | 12,502 | 464 |               |     |
| STATES- 35,72                                     |                        |        |      |     | DIFF.               | 910-   | 26- |               |     |
| 1248641 .....                                     |                        |        |      |     |                     |        |     |               |     |
|   | 12                     | 12,760 | 3.8  | 480 |                     |        |     |               |     |
| STATES- 48,51                                     | 12                     | 12,760 | 3.8  | 480 | 14                  | 11,896 | 439 |               |     |
|   |                        |        |      |     | DIFF.               | 864    | 41  |               |     |
| 1248756 KILFADDA MAD CHASER.....                  |                        |        |      |     |                     |        |     |               |     |
| 09-24-54 919608 3809999 29 NDN-AI DAUGHTERS       | 67                     | 9,972  | 3.6  | 357 |                     |        |     |               |     |
| LISTED, 01-63 29 WITH HERD-MATES                  | 67                     | 9,972  | 3.6  | 357 | 9                   | 9,498  | 361 |               |     |
| STATES- 51  |                        |        |      |     | DIFF.               | 474    | 4-  |               |     |
| 1248776 NYSIA INVINCIBLE ROYAL.....               |                        |        |      |     |                     |        |     |               |     |
| 02-08-55 1056882 2591798 6 NDN-AI DAUGHTERS       | 6                      | 14,910 | 3.8  | 571 |                     |        |     |               |     |
| LISTED, 05-64 5 WITH HERD-MATES                   | 5                      | 15,388 | 3.9  | 596 | 11                  | 14,068 | 548 |               |     |
| STATES- 21  |                        |        |      |     | DIFF.               | 1320   | 48  |               |     |
| 1248888 JESS POSCH ROBUR.....                     |                        |        |      |     |                     |        |     |               |     |
| 11-09-54 1195970 2575086 5 NDN-AI DAUGHTERS       | 9                      | 12,435 | 4.3  | 539 |                     |        |     |               |     |
| LISTED, 05-64 5 WITH HERD-MATES                   | 9                      | 12,435 | 4.3  | 539 | 9                   | 13,182 | 502 |               |     |
| STATES- 41  |                        |        |      |     | DIFF.               | 747-   | 37  |               |     |
| 1248974 .....                                     |                        |        |      |     |                     |        |     |               |     |
|   | 5                      | 9,626  | 3.7  | 354 |                     |        |     |               |     |
| STATES- 21  | 5                      | 9,626  | 3.7  | 354 | 23                  | 10,178 | 358 |               |     |
|   |                        |        |      |     | DIFF.               | 552-   | 4-  |               |     |
| 1249021 SPRING MEADOW MADCAP JERRY.....           |                        |        |      |     |                     |        |     |               |     |
| 03-16-54 919608 2499144 5 NON-AI DAUGHTERS        | 12                     | 10,699 | 4.0  | 425 |                     |        |     |               |     |
| LISTED, 05-64 5 WITH HERD-MATES                   | 12                     | 10,699 | 4.0  | 425 | 12                  | 12,427 | 459 |               |     |
| STATES- 21  |                        |        |      |     | DIFF.               | 1728-  | 34- |               |     |
| 1249045 PETZOLD ROBAR8 MARK.....                  |                        |        |      |     |                     |        |     |               |     |
| 09-01-54 1159166 2990413 9 NON-AI DAUGHTERS       | 11                     | 13,560 | 3.8  | 514 |                     |        |     |               |     |
| LISTED, 05-64 9 WITH HERD-MATES                   | 11                     | 13,560 | 3.8  | 514 | 10                  | 14,264 | 527 |               |     |
| STATES- 21,23                                     |                        |        |      |     | DIFF.               | 704-   | 13- |               |     |
| 1249202 OELI KORNDYKE PABST PRINCE.....           |                        |        |      |     |                     |        |     |               |     |
| 11-27-54 1186716 3378477 10 NDN-AI DAUGHTERS      | 18                     | 13,296 | 3.8  | 506 |                     |        |     |               |     |
| LISTED, 01-63 9 WITH HERD-MATES                   | 17                     | 12,749 | 3.8  | 488 | 10                  | 12,229 | 472 |               |     |
| STATES- 33  |                        |        |      |     | DIFF.               | 520    | 16  |               |     |
| 1249216 WDDDNUTT VEEMAN INKA.....                 |                        |        |      |     |                     |        |     |               |     |
| 12-29-53 1142746 3071605 6 NON-AI DAUGHTERS       | 6                      | 11,100 | 3.8  | 418 |                     |        |     |               |     |
| LISTED, 05-64 6 WITH HERD-MATES                   | 6                      | 11,100 | 3.8  | 418 | 19                  | 11,782 | 422 |               |     |
| STATES- 21  |                        |        |      |     | DIFF.               | 682-   | 4-  |               |     |
| 1249244 GREENAWAY DDN RAG APPLE.....              |                        |        |      |     |                     |        |     |               |     |
| 01-10-55 1157778 3141533 15 NON-AI DAUGHTERS      | 27                     | 13,383 | 3.6  | 478 |                     |        |     |               |     |
| LISTED, 08-63 15 WITH HERD-MATES                  | 26                     | 13,545 | 3.6  | 484 | 6                   | 15,423 | 547 |               |     |
| STATES- 21  |                        |        |      |     | DIFF.               | 1878-  | 63- |               |     |
| 1249248 .....                                     |                        |        |      |     |                     |        |     |               |     |
|   | 5                      | 14,836 | 3.5  | 518 |                     |        |     |               |     |
| STATES- 91  | 5                      | 14,836 | 3.5  | 518 | 6                   | 16,455 | 612 |               |     |
|   |                        |        |      |     | DIFF.               | 1619-  | 94- |               |     |
| 1249318 DAWNVALE PRILLY SEGIS.....                |                        |        |      |     |                     |        |     |               |     |
| 09-13-54 863756 2936306 208 AI DAUGHTERS-25*      | 352                    | 13,512 | 3.6  | 482 |                     |        |     |               |     |
| AI STUD, 21-01 LISTED, 05-64 186 WITH HERD-MATES  | 322                    | 13,538 | 3.6  | 482 | 21                  | 13,446 | 488 | 12,647        | 452 |
| STATES- 13,14,16,21,23                            |                        |        |      |     | DIFF.               | 92     | 6-  |               |     |
|   | 6                      | 12,216 | 3.5  | 422 | 16                  | 11,891 | 431 |               |     |
|   | 6                      | 12,216 | 3.5  | 422 | DIFF.               | 325    | 9-  |               |     |
| 1249353 COLLINS-CREST BURKE SELECT.....           |                        |        |      |     |                     |        |     |               |     |
| 02-24-54 1208003 3546689 27 NDN-AI DAUGHTERS      | 61                     | 12,422 | 3.8  | 468 |                     |        |     |               |     |
| STATES- 21,48                                     | 27                     | 12,422 | 3.8  | 468 | 10                  | 12,992 | 483 |               |     |
|   |                        |        |      |     | DIFF.               | 570-   | 15- |               |     |
| 1249416 SAXDJAC WODSTERDALE PRIDE.....            |                        |        |      |     |                     |        |     |               |     |
| 03-05-54 1034466 2711909 5 NDN-AI DAUGHTERS       | 12                     | 18,885 | 3.8  | 722 |                     |        |     |               |     |
| LISTED, 05-64 5 WITH HERD-MATES                   | 12                     | 18,885 | 3.8  | 722 | 17                  | 17,097 | 632 |               |     |
| STATES- 21  |                        |        |      |     | DIFF.               | 1788   | 90  |               |     |
| 1249419 PABST LEAOR REGAL.....                    |                        |        |      |     |                     |        |     |               |     |
| 10-17-54 915940 3248379 11 NDN-AI DAUGHTERS       | 12                     | 8,808  | 3.6  | 319 |                     |        |     |               |     |
| LISTED, 05-64 11 WITH HERD-MATES                  | 12                     | 8,808  | 3.6  | 319 | 36                  | 10,541 | 382 |               |     |
| STATES- 56  |                        |        |      |     | DIFF.               | 1733-  | 63- |               |     |

## SIREs OF OHIA DAUGHTERS

| HDLSTEIN  |  |  |  |  | AV. PRODUCTION OF OAU. | ADJ. HERD-MATES AV. | PREOICTED AV. |     |        |        |     |        |     |
|---|--|--|--|--|------------------------|---------------------|---------------|-----|--------|--------|-----|--------|-----|
|   |  |  |  |  | RECDROS                | MILK                | TEST          | FAT | NUMBER | MILK   | FAT | MILK   | FAT |
|   |  |  |  |  | NUMBER                 | L8                  | %             | L8  |        |        |     | L8     | L8  |
| 1249423 NDCKDAIR PA8ST LEADER.....                      |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 11-16-54 915940 3371174 48 NDN-AI DAUGHTERS             |  |  |  |  | 98                     | 13,237              | 3.9           | 522 |        |        |     |        |     |
| AI STUD, 35-02 LISTED, 05-64 47 WITH HERD-MATES         |  |  |  |  | 97                     | 13,162              | 3.9           | 519 |        |        |     |        |     |
| STATES- 34,35,42,43,47,48,71,73,84                      |  |  |  |  |                        |                     |               |     | 12     | 14,091 | 515 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 929-   | 4   |        |     |
| 1249424 PA8ST LEADER DUKE.....                          |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 11-23-54 915940 2373582 59 NDN-AI DAUGHTERS             |  |  |  |  | 129                    | 13,565              | 3.6           | 493 |        |        |     |        |     |
| AI STUD, 35-04 LISTED, 08-63 59 WITH HERD-MATES         |  |  |  |  | 128                    | 13,565              | 3.6           | 493 |        |        |     |        |     |
| STATES- 21,22,23,31,32,33,34,35,41,42,52,56,63,64,73,85 |  |  |  |  |                        |                     |               |     | 17     | 13,553 | 501 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 12     | 8-  |        |     |
| 1249430 PA8ST CHIEF.....                                |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 01-31-55 915940 3365310 52 NDN-AI DAUGHTERS             |  |  |  |  | 93                     | 14,767              | 3.6           | 528 |        |        |     |        |     |
| AI STUD, 35-75 LISTED, 05-64 51 WITH HERD-MATES         |  |  |  |  | 90                     | 14,701              | 3.6           | 525 |        |        |     |        |     |
| STATES- 33,35,48,74,85                                  |  |  |  |  |                        |                     |               |     | 11     | 13,674 | 488 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 1027   | 37  |        |     |
| 1249492 .....   |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
|   |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| STATES- 43  |  |  |  |  |                        |                     |               |     | 6      | 12,586 | 459 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 365-   | 17  |        |     |
| 1249604 HY-SEEN PRINCE NIXON.....                       |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 05-19-54 1110738 3139818 12 NDN-AI DAUGHTERS            |  |  |  |  | 19                     | 12,782              | 3.6           | 458 |        |        |     |        |     |
| STATES- 42  |  |  |  |  | 18                     | 12,872              | 3.5           | 454 |        |        |     |        |     |
|   |  |  |  |  |                        |                     |               |     | 9      | 13,540 | 496 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 668-   | 42- |        |     |
| 1249716 GEN-MAR BUTTER 8DY.....                         |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 04-22-54 1173453 3712415 8 NDN-AI DAUGHTERS             |  |  |  |  | 8                      | 14,134              | 3.6           | 515 |        |        |     |        |     |
| LISTED, 11-63 8 WITH HERD-MATES                         |  |  |  |  | 8                      | 14,134              | 3.6           | 515 |        |        |     |        |     |
| STATES- 31  |  |  |  |  |                        |                     |               |     | 16     | 15,871 | 596 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 1737-  | 81- |        |     |
| 1249795 CARNATION MAOCAP MAGISTRATE.....                |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 11-13-54 1152252 3339580 141 AI DAUGHTERS-25*           |  |  |  |  | 151                    | 12,957              | 3.6           | 461 |        |        |     |        |     |
| AI STUD, 35-05 LISTED, 05-64 139 WITH HERD-MATES        |  |  |  |  | 149                    | 12,982              | 3.6           | 463 |        |        |     |        |     |
| STATES- 35,41,42,81,82,83,87,91,92                      |  |  |  |  |                        |                     |               |     | 16     | 12,991 | 472 | 12,511 | 449 |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 9-     | 9-  |        |     |
|   |  |  |  |  |                        |                     |               |     | 11     | 15,581 | 588 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 1126   | 12  |        |     |
| 1249799 CARNATION CHIEF 8OUNCING 8DY.....               |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 10-17-54 1178223 2638012 14 NDN-AI DAUGHTERS            |  |  |  |  | 18                     | 11,916              | 3.9           | 463 |        |        |     |        |     |
| LISTED, 11-63 14 WITH HERD-MATES                        |  |  |  |  | 18                     | 11,916              | 3.9           | 463 |        |        |     |        |     |
| STATES- 31  |  |  |  |  |                        |                     |               |     | 12     | 12,860 | 479 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 944-   | 16- |        |     |
| 1250218 .....   |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
|   |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| STATES- 33,43   |  |  |  |  |                        |                     |               |     | 8      | 12,458 | 451 |        |     |
|   |  |  |  |  |                        |                     |               |     | 8      | 12,458 | 451 |        |     |
|   |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
|   |  |  |  |  |                        |                     |               |     | 10     | 12,964 | 472 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 506-   | 21- |        |     |
| 1250294 FLDWER ARTIS INKA.....                          |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 02-02-55 1085067 2716261 16 NDN-AI DAUGHTERS            |  |  |  |  | 16                     | 15,457              | 3.4           | 526 |        |        |     |        |     |
| LISTED, 03-64 16 WITH HERD-MATES                        |  |  |  |  | 16                     | 15,457              | 3.4           | 526 |        |        |     |        |     |
| STATES- 47  |  |  |  |  |                        |                     |               |     | 17     | 14,908 | 532 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 549    | 6-  |        |     |
| 1250678 C S P F GENDDALE SUPERIOR JIM.....              |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 03-20-55 922238 2720717 13 NDN-AI DAUGHTERS             |  |  |  |  | 19                     | 11,848              | 3.9           | 460 |        |        |     |        |     |
| LISTED, 08-63 13 WITH HERD-MATES                        |  |  |  |  | 19                     | 11,848              | 3.9           | 460 |        |        |     |        |     |
| STATES- 16  |  |  |  |  |                        |                     |               |     | 39     | 13,428 | 499 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 1580-  | 39- |        |     |
| 1250815 CURTISS CANDY RDBURKE PIEBE.....                |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 01-29-55 1024453 2339596 25 NDN-AI DAUGHTERS            |  |  |  |  | 56                     | 14,308              | 3.5           | 500 |        |        |     |        |     |
| LISTED, 08-62 24 WITH HERD-MATES                        |  |  |  |  | 55                     | 14,488              | 3.5           | 507 |        |        |     |        |     |
| STATES- 35,41   |  |  |  |  |                        |                     |               |     | 22     | 14,352 | 506 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 136    | 1   |        |     |
| 1250846 KAN-IOA MERCEDES HESTER BURKE.....              |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 04-21-52 906439 2968002 9 NDN-AI DAUGHTERS              |  |  |  |  | 16                     | 14,041              | 3.5           | 490 |        |        |     |        |     |
| LISTED, 08-63 9 WITH HERD-MATES                         |  |  |  |  | 15                     | 14,313              | 3.5           | 502 |        |        |     |        |     |
| STATES- 82,87   |  |  |  |  |                        |                     |               |     | 10     | 13,964 | 491 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 349    | 11  |        |     |
| 1250928 RDSE-FRDNT MDDEL DUKE.....                      |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 01-08-55 1058825 3057959 23 NDN-AI DAUGHTERS            |  |  |  |  | 39                     | 11,795              | 3.4           | 403 |        |        |     |        |     |
| LISTED, 08-63 22 WITH HERD-MATES                        |  |  |  |  | 38                     | 11,993              | 3.4           | 409 |        |        |     |        |     |
| STATES- 31  |  |  |  |  |                        |                     |               |     | 9      | 12,001 | 412 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 8-     | 3-  |        |     |
| 1251271 RAIN8DW OX 8DW 12TH.....                        |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 10-23-54 1175533 2460920 198 AI DAUGHTERS-25*           |  |  |  |  | 332                    | 14,015              | 3.7           | 516 |        |        |     |        |     |
| AI STUD, 92-01 LISTED, 05-64 194 WITH HERD-MATES        |  |  |  |  | 321                    | 14,077              | 3.7           | 517 |        |        |     |        |     |
| STATES- 91,92   |  |  |  |  |                        |                     |               |     | 23     | 13,551 | 493 | 13,067 | 481 |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 526    | 24  |        |     |
| 1251676 MAN-D-WAR 8 F 8U88LER BURKE.....                |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 10-13-54 1202814 2226900 158 AI DAUGHTERS-25*           |  |  |  |  | 311                    | 12,759              | 3.6           | 464 |        |        |     |        |     |
| AI STUD, 35-04 LISTED, 05-64 157 WITH HERD-MATES        |  |  |  |  | 309                    | 12,772              | 3.6           | 465 |        |        |     |        |     |
| STATES- 23,32,33,35,41,42,43,47,52,55,63                |  |  |  |  |                        |                     |               |     | 15     | 12,856 | 464 | 12,429 | 457 |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 84-    | 1   |        |     |
|   |  |  |  |  |                        |                     |               |     | 11     | 12,357 | 456 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 1161   | 22  |        |     |
| 1251678 BESSIE 8 F ADMIRAL BURKE.....                   |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| 11-26-54 1192875 2863691 29 NDN-AI DAUGHTERS            |  |  |  |  | 34                     | 12,934              | 3.7           | 473 |        |        |     |        |     |
| AI STUD, 23-04 LISTED, 05-64 29 WITH HERD-MATES         |  |  |  |  | 34                     | 12,934              | 3.7           | 473 |        |        |     |        |     |
| STATES- 16,21,23,31,34,35,51,56,61                      |  |  |  |  |                        |                     |               |     | 53     | 13,337 | 489 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 403-   | 16- |        |     |
| 1251858 .....   |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
|   |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| STATES- 31  |  |  |  |  |                        |                     |               |     | 11     | 11,090 | 385 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 776-   | 19- |        |     |
| 1251976 .....   |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
|   |  |  |  |  |                        |                     |               |     |        |        |     |        |     |
| STATES- 23  |  |  |  |  |                        |                     |               |     | 5      | 10,840 | 402 |        |     |
|   |  |  |  |  |                        |                     |               |     | DIFF.  | 1555   | 62  |        |     |
|   |  |  |  |  |                        |                     |               |     |        |        |     |        |     |



## SIREs OF OHIA DAUGHTERS

| HOLSTEIN   | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK L8 | TEST<br>% | DAU.<br>FAT L8 | ADJ. AV.<br>NUMBER | HERD-MATES<br>MILK L8 | AV. FAT<br>L8 | PREDICTED AV.<br>MILK L8 | FAT L8 |
|--|-----------------------|--------------------------|-----------|----------------|--------------------|-----------------------|---------------|--------------------------|--------|
| 1252142 OISTINCTIDN LADDIE COLONY.....           |                       |                          |           |                |                    |                       |               |                          |        |
| 04-01-55 1091010 2839166 7 AI DAUGHTERS-07       | 7                     | 13,387                   | 3.7       | 495            |                    |                       |               |                          |        |
| AI STUO, 35-02 LISTED, 05-64 7 WITH HERD-MATES   | 7                     | 13,387                   | 3.7       | 495            | 7                  | 12,875                | 473           | 12,670                   | 464    |
| STATES- 34,35,64                                 |                       |                          |           |                | 0IFF.              | 512                   | 22            |                          |        |
| 25 NON-AI DAUGHTERS                              | 63                    | 13,708                   | 3.8       | 517            |                    |                       |               |                          |        |
| 25 WITH HERD-MATES                               | 63                    | 13,708                   | 3.8       | 517            | 13                 | 13,296                | 496           |                          |        |
|  |                       |                          |           |                | 0IFF.              | 412                   | 21            |                          |        |
| 1252169 GYPSIE MILL.....                         |                       |                          |           |                |                    |                       |               |                          |        |
| 02-18-54 1189554 2788111 3 AI DAUGHTERS-03       |                       |                          |           |                |                    |                       |               |                          |        |
| AI STUO, 41-25 2 WITH HERD-MATES                 |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 35,41                                    |                       |                          |           |                |                    |                       |               |                          |        |
| 22 NON-AI DAUGHTERS                              | 46                    | 14,056                   | 3.4       | 476            |                    |                       |               |                          |        |
| 22 WITH HERD-MATES                               | 45                    | 14,071                   | 3.4       | 475            | 11                 | 13,947                | 502           |                          |        |
|  |                       |                          |           |                | 0IFF.              | 124                   | 27-           |                          |        |
| 1252193 HOWACRES HOMESTEAD SENSATION.....        |                       |                          |           |                |                    |                       |               |                          |        |
| 12-30-54 1038118 2798648 18 NON-AI DAUGHTERS     | 24                    | 11,157                   | 3.7       | 411            |                    |                       |               |                          |        |
| LISTED, 11-63 18 WITH HERD-MATES                 | 24                    | 11,157                   | 3.7       | 411            | 14                 | 12,235                | 442           |                          |        |
| STATES- 13,16                                    |                       |                          |           |                | DIFF.              | 1078-                 | 31-           |                          |        |
| 1252231 MOOSEHEART ROYAL AIM.....                |                       |                          |           |                |                    |                       |               |                          |        |
| 12-15-54 1024453 2579688 35 AI DAUGHTERS-01      | 68                    | 15,401                   | 4.0       | 613            |                    |                       |               |                          |        |
| AI STUO, 93-10 LISTED, 05-64 35 WITH HERD-MATES  | 68                    | 15,401                   | 4.0       | 613            | 73                 | 15,857                | 591           | 12,384                   | 482    |
| STATES- 23,33,42,64,93                           |                       |                          |           |                | 0IFF.              | 456-                  | 22            |                          |        |
| 4 NON-AI DAUGHTERS                               | 12                    | 13,226                   | 4.2       | 556            |                    |                       |               |                          |        |
| 4 WITH HERD-MATES                                | 12                    | 13,226                   | 4.2       | 556            | 19                 | 14,738                | 564           |                          |        |
|  |                       |                          |           |                | DIFF.              | 1512-                 | 8-            |                          |        |
| 1252367 AG8 DAUNTLESS EVA ADVANCER.....          |                       |                          |           |                |                    |                       |               |                          |        |
| 03-01-55 1048678 2826676 38 AI DAUGHTERS-21      | 68                    | 12,522                   | 3.9       | 490            |                    |                       |               |                          |        |
| AI STUO, 22-01 LISTED, 01-63 38 WITH HERD-MATES  | 68                    | 12,522                   | 3.9       | 490            | 32                 | 13,791                | 522           | 11,607                   | 436    |
| STATES- 14,21,22                                 |                       |                          |           |                | 0IFF.              | 1269-                 | 32-           |                          |        |
| 1252440 .....                                    |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 48                                       | 17                    | 10,928                   | 3.7       | 402            |                    |                       |               |                          |        |
|  | 13                    | 11,217                   | 3.7       | 412            | 10                 | 12,169                | 451           |                          |        |
|  |                       |                          |           |                | 0IFF.              | 952-                  | 39-           |                          |        |
| 1252934 SPRUCE LAWN WAYDEOC.....                 |                       |                          |           |                |                    |                       |               |                          |        |
| 03-12-55 837025 2778214 119 AI DAUGHTERS-25*     | 288                   | 13,722                   | 3.6       | 495            |                    |                       |               |                          |        |
| AI STUO, 21-01 LISTED, 05-64 112 WITH HERD-MATES | 276                   | 13,807                   | 3.6       | 498            | 20                 | 13,147                | 478           | 13,126                   | 475    |
| STATES- 13,21,51                                 |                       |                          |           |                | 0IFF.              | 660                   | 20            |                          |        |
| 1252985 THONYMA ORMSBY SENATOR.....              |                       |                          |           |                |                    |                       |               |                          |        |
| 12-25-54 1196645 3417595 20 NON-AI DAUGHTERS     | 23                    | 13,874                   | 3.6       | 499            |                    |                       |               |                          |        |
| AI STUO, 33-03 LISTED, 08-63 20 WITH HERD-MATES  | 23                    | 13,874                   | 3.6       | 499            | 12                 | 14,931                | 531           |                          |        |
| STATES- 35,84,86                                 |                       |                          |           |                | 0IFF.              | 1057-                 | 32-           |                          |        |
| 1252994 .....                                    |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 42                                       | 8                     | 11,316                   | 3.7       | 421            |                    |                       |               |                          |        |
|  | 8                     | 11,316                   | 3.7       | 421            | 12                 | 12,539                | 453           |                          |        |
|  |                       |                          |           |                | 0IFF.              | 1223-                 | 32-           |                          |        |
| 1253032 PA8ST CHIEFTAIN.....                     |                       |                          |           |                |                    |                       |               |                          |        |
| 10-15-54 915940 3095699 15 AI DAUGHTERS-15       | 15                    | 10,387                   | 3.6       | 378            |                    |                       |               |                          |        |
| AI STUO, 34-01 LISTED, 05-64 13 WITH HERD-MATES  | 13                    | 10,562                   | 3.6       | 382            | 6                  | 11,993                | 439           | 11,702                   | 424    |
| STATES- 34,57                                    |                       |                          |           |                | 0IFF.              | 1431-                 | 57-           |                          |        |
| 47 NON-AI DAUGHTERS                              | 91                    | 13,153                   | 3.6       | 477            |                    |                       |               |                          |        |
| 47 WITH HERD-MATES                               | 91                    | 13,153                   | 3.6       | 477            | 14                 | 13,474                | 492           |                          |        |
|  |                       |                          |           |                | 0IFF.              | 321-                  | 15-           |                          |        |
| 1253109 NORTH CAROLINA PROSPECT FRANK.....       |                       |                          |           |                |                    |                       |               |                          |        |
| 02-14-55 813911 2732935 76 NON-AI DAUGHTERS      | 151                   | 11,107                   | 3.5       | 386            |                    |                       |               |                          |        |
| LISTED, 01-63 76 WITH HERD-MATES                 | 151                   | 11,107                   | 3.5       | 386            | 19                 | 11,445                | 395           |                          |        |
| STATES- 55                                       |                       |                          |           |                | 0IFF.              | 338-                  | 9-            |                          |        |
| 1253319 BRIGEEN GLOMASTER.....                   |                       |                          |           |                |                    |                       |               |                          |        |
| 11-16-54 1170426 3305511 15 NON-AI DAUGHTERS     | 28                    | 13,064                   | 4.0       | 525            |                    |                       |               |                          |        |
| LISTED, 08-62 15 WITH HERD-MATES                 | 28                    | 13,064                   | 4.0       | 525            | 28                 | 13,346                | 494           |                          |        |
| STATES- 13,14                                    |                       |                          |           |                | 0IFF.              | 282-                  | 31            |                          |        |
| 1253324 BRIGEEN VIC-PRESUOE8T.....               |                       |                          |           |                |                    |                       |               |                          |        |
| 09-15-54 1071565 3305508 17 NON-AI DAUGHTERS     | 56                    | 15,093                   | 4.1       | 615            |                    |                       |               |                          |        |
| STATES- 11                                       | 56                    | 15,093                   | 4.1       | 615            | 13                 | 14,935                | 573           |                          |        |
|  |                       |                          |           |                | 0IFF.              | 158                   | 42            |                          |        |
| 1253351 SOVEREIGN EXRANCO MAGIC.....             |                       |                          |           |                |                    |                       |               |                          |        |
| 10-31-54 1138451 3596419 40 AI DAUGHTERS-02      | 59                    | 14,700                   | 3.8       | 558            |                    |                       |               |                          |        |
| AI STUO, 93-03 LISTED, 05-64 40 WITH HERD-MATES  | 59                    | 14,700                   | 3.8       | 558            | 105                | 15,006                | 527           | 12,431                   | 484    |
| STATES- 93                                       |                       |                          |           |                | DIFF.              | 306-                  | 31            |                          |        |
| 1253399 VANLURE RAG APPLE INVINCIBLE.....        |                       |                          |           |                |                    |                       |               |                          |        |
| 01-31-55 1056882 3158054 20 NON-AI DAUGHTERS     | 34                    | 10,898                   | 3.9       | 425            |                    |                       |               |                          |        |
| LISTED, 08-63 19 WITH HERD-MATES                 | 33                    | 10,933                   | 3.9       | 426            | 8                  | 12,780                | 463           |                          |        |
| STATES- 21                                       |                       |                          |           |                | 0IFF.              | 1847-                 | 37-           |                          |        |
| 1253403 .....                                    |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 73                                       | 15                    | 13,923                   | 3.4       | 479            |                    |                       |               |                          |        |
|  | 15                    | 13,923                   | 3.4       | 479            | 48                 | 13,947                | 481           |                          |        |
|  |                       |                          |           |                | 0IFF.              | 24-                   | 2-            |                          |        |
| 1253404 CDLO SPRING PAT IDEAL.....               |                       |                          |           |                |                    |                       |               |                          |        |
| 05-22-54 1068871 2902234 32 NON-AI DAUGHTERS     | 79                    | 15,341                   | 3.4       | 520            |                    |                       |               |                          |        |
| LISTED, 08-62 32 WITH HERD-MATES                 | 79                    | 15,341                   | 3.4       | 520            | 11                 | 13,708                | 490           |                          |        |
| STATES- 35                                       |                       |                          |           |                | 0IFF.              | 1633                  | 30            |                          |        |
| 1253425 JOCINAH OEWEY HARTOG KORNOYKE.....       |                       |                          |           |                |                    |                       |               |                          |        |
| 10-09-54 1034394 2985715 23 NON-AI DAUGHTERS     | 34                    | 12,748                   | 3.6       | 465            |                    |                       |               |                          |        |
| LISTED, 01-63 23 WITH HERD-MATES                 | 34                    | 12,748                   | 3.6       | 465            | 23                 | 13,042                | 468           |                          |        |
| STATES- 32,34,65                                 |                       |                          |           |                | 0IFF.              | 294-                  | 3-            |                          |        |
| 1253471 .....                                    |                       |                          |           |                |                    |                       |               |                          |        |
| STATES- 42                                       | 15                    | 12,589                   | 3.9       | 494            |                    |                       |               |                          |        |
|  | 15                    | 12,589                   | 3.9       | 494            | 13                 | 12,628                | 462           |                          |        |
|  |                       |                          |           |                | DIFF.              | 39-                   | 32            |                          |        |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN                  |                                    |                      | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERO-MATES AV. FAT LB | PREDICTED AV. MILK LB | AV. FAT LB |
|---------------------------|------------------------------------|----------------------|-------------|-----------------------|--------|-------------|------------------|-----------------------|-----------------------|------------|
| 1255858                   | .....                              | 5 NON-AI DAUGHTERS   | 11          | 14,908                | 3.6    | 542         |                  |                       |                       |            |
| STATES- 43                |                                    | 5 WITH HERD-MATES    | 11          | 14,908                | 3.6    | 542         | 10 OIFF.         | 14,271 637            | 546 4-                |            |
| 1255885                   | PRIOE ROAMER PABST LEADER.....     |                      |             |                       |        |             |                  |                       |                       |            |
| 05-05-55                  | 915940 2585844                     | 15 AI DAUGHTERS-09   | 33          | 12,519                | 3.5    | 435         |                  |                       |                       |            |
| AI STUO, 63-03            | LISTED, 01-63                      | 15 WITH HERD-MATES   | 32          | 12,538                | 3.5    | 436         | 20 OIFF.         | 12,995 457-           | 461 25-               | 12,248 442 |
| STATES- 63                |                                    |                      |             |                       |        |             |                  |                       |                       |            |
| 1256050                   | RIOGELY PILGRIM.....               |                      |             |                       |        |             |                  |                       |                       |            |
| 03-20-55                  | 949094 3088483                     | 45 NON-AI DAUGHTERS  | 89          | 14,314                | 3.7    | 533         |                  |                       |                       |            |
|                           | LISTED, 08-62                      | 45 WITH HERD-MATES   | 89          | 14,314                | 3.7    | 533         | 14 OIFF.         | 13,290 1024           | 509 24                |            |
| STATES- 16,21             |                                    |                      |             |                       |        |             |                  |                       |                       |            |
| 1256051                   | .....                              | 5 NON-AI DAUGHTERS   | 10          | 10,368                | 4.1    | 423         |                  |                       |                       |            |
| STATES- 12,14,15,21       |                                    | 5 WITH HERD-MATES    | 10          | 10,368                | 4.1    | 423         | 37 OIFF.         | 12,156 1788-          | 463 40-               |            |
| 1256073                   | CURTISS CANDY SPARKMAN.....        |                      |             |                       |        |             |                  |                       |                       |            |
| 03-15-55                  | 1119514 3643797                    | 27 NON-AI DAUGHTERS  | 33          | 11,209                | 3.5    | 390         |                  |                       |                       |            |
|                           | LISTED, 11-63                      | 26 WITH HERD-MATES   | 32          | 11,345                | 3.5    | 395         | 11 OIFF.         | 10,118 1227           | 363 32                |            |
| STATES- 63,64             |                                    |                      |             |                       |        |             |                  |                       |                       |            |
| 1256233                   | .....                              | 5 AI DAUGHTERS-01    | 5           | 13,686                | 3.3    | 458         |                  |                       |                       |            |
| AI STUO, 93-10            |                                    | 5 WITH HERD-MATES    | 5           | 13,686                | 3.3    | 458         | 13 OIFF.         | 14,362 676-           | 483 25-               | 12,330 449 |
| STATES- 93                |                                    |                      |             |                       |        |             |                  |                       |                       |            |
|                           |                                    | 3 NON-AI DAUGHTERS   | 6           | 13,972                | 4.1    | 569         |                  |                       |                       |            |
|                           |                                    | 3 WITH HERD-MATES    | 6           | 13,972                | 4.1    | 569         | 53 OIFF.         | 15,063 1091-          | 556 13                |            |
| 1256259                   | ROCKCREST BURKE BERT.....          |                      |             |                       |        |             |                  |                       |                       |            |
| 04-28-55                  | 963902 3144051                     | 39 NON-AI DAUGHTERS  | 44          | 13,253                | 3.4    | 456         |                  |                       |                       |            |
|                           | LISTED, 03-64                      | 38 WITH HERD-MATES   | 43          | 13,391                | 3.4    | 461         | 9 OIFF.          | 11,873 1518           | 412 49                |            |
| STATES- 42                |                                    |                      |             |                       |        |             |                  |                       |                       |            |
| 1256340                   | ROMANOALE LUCKY SHAMROCK.....      |                      |             |                       |        |             |                  |                       |                       |            |
| 12-22-54                  | 010198898 010800547                | 70 NON-AI DAUGHTERS  | 160         | 14,586                | 3.6    | 523         |                  |                       |                       |            |
|                           | LISTED, 08-62                      | 69 WITH HERD-MATES   | 159         | 14,676                | 3.6    | 526         | 15 OIFF.         | 14,175 501            | 509 17                |            |
| STATES- 12,13,21,23,31,51 |                                    |                      |             |                       |        |             |                  |                       |                       |            |
| 1256345                   | OAKCREST PABST ROBURKE PRINCE..... |                      |             |                       |        |             |                  |                       |                       |            |
| 11-05-54                  | 1065219 2946876                    | 10 NON-AI DAUGHTERS  | 17          | 12,562                | 3.6    | 457         |                  |                       |                       |            |
|                           | LISTED, 11-63                      | 10 WITH HERD-MATES   | 16          | 12,676                | 3.6    | 461         | 15 OIFF.         | 14,561 1885-          | 518 57-               |            |
| STATES- 21                |                                    |                      |             |                       |        |             |                  |                       |                       |            |
| 1256379                   | .....                              | 6 NON-AI DAUGHTERS   | 6           | 12,685                | 3.1    | 396         |                  |                       |                       |            |
| STATES- 31                |                                    | 6 WITH HERD-MATES    | 6           | 12,685                | 3.1    | 396         | 8 OIFF.          | 12,276 409            | 423 27-               |            |
| 1256737                   | E-ERODWELL GLENAFTON OON.....      |                      |             |                       |        |             |                  |                       |                       |            |
| 01-14-55                  | 1202912 3375236                    | 28 NON-AI DAUGHTERS  | 46          | 10,346                | 3.9    | 400         |                  |                       |                       |            |
|                           | LISTED, 08-63                      | 28 WITH HERD-MATES   | 46          | 10,346                | 3.9    | 400         | 29 OIFF.         | 10,411 65-            | 385 15                |            |
| STATES- 21,31             |                                    |                      |             |                       |        |             |                  |                       |                       |            |
| 1256800                   | .....                              | 9 NON-AI DAUGHTERS   | 9           | 15,456                | 3.5    | 542         |                  |                       |                       |            |
| STATES- 31                |                                    | 8 WITH HERD-MATES    | 8           | 16,111                | 3.5    | 570         | 3 OIFF.          | 14,998 1113           | 535 35                |            |
| 1256987                   | TRIPLE JULE KING FOBES.....        |                      |             |                       |        |             |                  |                       |                       |            |
| 01-06-55                  | 1198394 2803577                    | 13 NON-AI DAUGHTERS  | 24          | 11,202                | 3.4    | 379         |                  |                       |                       |            |
|                           | LISTED, 01-63                      | 13 WITH HERD-MATES   | 24          | 11,202                | 3.4    | 379         | 14 OIFF.         | 12,968 1766-          | 460 81-               |            |
| STATES- 35,42,63,74       |                                    |                      |             |                       |        |             |                  |                       |                       |            |
| 1257017                   | .....                              | 5 NON-AI DAUGHTERS   | 5           | 15,154                | 3.5    | 526         |                  |                       |                       |            |
| STATES- 31,32             |                                    | 2 WITH HERD-MATES    | 2           | 14,480                | 3.2    | 465         | 24 OIFF.         | 13,500 980            | 472 7-                |            |
| 1257052                   | SHANGHIGH DOUBLE EXEC HONEY.....   |                      |             |                       |        |             |                  |                       |                       |            |
| 02-07-55                  | 1194279 3606306                    | 254 AI DAUGHTERS-25* | 440         | 12,321                | 3.7    | 461         |                  |                       |                       |            |
| AI STUO, 33-02            | LISTED, 05-64                      | 252 WITH HERD-MATES  | 432         | 12,341                | 3.7    | 462         | 16 OIFF.         | 12,509 168-           | 463 1-                | 12,315 455 |
| STATES- 33,35,65          |                                    |                      |             |                       |        |             |                  |                       |                       |            |
| 1257054                   | SHANGHIGH EXEC SUPREME ACE.....    |                      |             |                       |        |             |                  |                       |                       |            |
| 04-07-55                  | 1090259 3308545                    | 8 NON-AI DAUGHTERS   | 10          | 10,518                | 3.5    | 370         |                  |                       |                       |            |
|                           | LISTED, 03-64                      | 8 WITH HERD-MATES    | 9           | 10,436                | 3.5    | 365         | 6 OIFF.          | 11,428 992-           | 383 18-               |            |
| STATES- 31                |                                    |                      |             |                       |        |             |                  |                       |                       |            |
| 1257068                   | LAKEFIELD DOUBLE FOBES.....        |                      |             |                       |        |             |                  |                       |                       |            |
| 04-10-55                  | 1218294 3602767                    | 18 NON-AI DAUGHTERS  | 24          | 14,998                | 3.5    | 528         |                  |                       |                       |            |
|                           | LISTED, 08-63                      | 18 WITH HERD-MATES   | 24          | 14,998                | 3.5    | 528         | 11 OIFF.         | 12,750 2248           | 457 71                |            |
| STATES- 34                |                                    |                      |             |                       |        |             |                  |                       |                       |            |
| 1257239                   | KAYTEE BLOAT.....                  |                      |             |                       |        |             |                  |                       |                       |            |
| 03-26-54                  | 1083738 3051175                    | 7 AI DAUGHTERS-06    | 7           | 11,984                | 3.4    | 410         |                  |                       |                       |            |
| AI STUO, 31-01            | LISTED, 05-64                      | 6 WITH HERD-MATES    | 6           | 12,250                | 3.4    | 414         | 10 OIFF.         | 12,640 390-           | 460 46-               | 12,348 440 |
| STATES- 31,35,42,74,84    |                                    |                      |             |                       |        |             |                  |                       |                       |            |
|                           |                                    | 17 NON-AI DAUGHTERS  | 29          | 12,488                | 3.8    | 477         |                  |                       |                       |            |
|                           |                                    | 17 WITH HERD-MATES   | 29          | 12,488                | 3.8    | 477         | 13 OIFF.         | 13,448 960-           | 495 18-               |            |
| 1257240                   | KAYTEE ARISTOCRAT FOBES.....       |                      |             |                       |        |             |                  |                       |                       |            |
| 07-23-54                  | 1083738 2851794                    | 29 NON-AI DAUGHTERS  | 62          | 13,786                | 3.7    | 512         |                  |                       |                       |            |
| AI STUO, 31-01            | LISTED, 05-64                      | 29 WITH HERD-MATES   | 62          | 13,786                | 3.7    | 512         | 16 OIFF.         | 14,034 248-           | 512                   |            |
| STATES- 31,35,46          |                                    |                      |             |                       |        |             |                  |                       |                       |            |
| 1257301                   | .....                              | 16 NON-AI DAUGHTERS  | 18          | 14,041                | 3.7    | 515         |                  |                       |                       |            |
| STATES- 54                |                                    | 16 WITH HERD-MATES   | 18          | 14,041                | 3.7    | 515         | 8 OIFF.          | 15,469 1428-          | 533 18-               |            |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF OAU. |                  |      |     | AOJ. HERO-MATES AV. |        |     |        | PREOICTED AV. |     |
|--|------------------------|------------------|------|-----|---------------------|--------|-----|--------|---------------|-----|
|  | RECOROS                | MILK             | TEST | FAT | NUMBER              | MILK   | FAT |        | MILK          | FAT |
|  | NUMBER                 | L8               | %    | L8  |                     | L8     | L8  |        | L8            | L8  |
| 1257372 UNEE0A BUTTER GIRL CREATOR.....          |                        |                  |      |     |                     |        |     |        |               |     |
| 12-09-54 1210684 2242596 24 NON-AI DAUGHTERS     | 41                     | 8,857            | 4.1  | 363 |                     |        |     |        |               |     |
| LISTED, 01-63 24 WITH HERO-MATES                 | 40                     | 8,827            | 4.1  | 360 |                     |        |     |        |               |     |
| STATES- 32,33                                    |                        |                  |      |     | 7                   | 10,771 | 403 |        |               |     |
|  |                        |                  |      |     | OIFF.               | 1944-  | 43- |        |               |     |
| 1257762 CARNATION BUTTERBOY DIGNITY.....         |                        |                  |      |     |                     |        |     |        |               |     |
| 02-25-55 1152252 3483639 105 AI DAUGHTERS-25*    | 109                    | 12,108           | 3.7  | 447 |                     |        |     |        |               |     |
| AI STUO, 41-25 LISTED, 05-64 97 WITH HERO-MATES  | 100                    | 12,234           | 3.7  | 453 | 14                  | 12,835 | 470 | 11,974 | 441           |     |
| STATES- 35,41,42,45,82,87                        |                        |                  |      |     | OIFF.               | 601-   | 17- |        |               |     |
|  | 67                     | 14,855           | 3.9  | 582 |                     |        |     |        |               |     |
| 28 NON-AI DAUGHTERS                              | 66                     | 14,621           | 3.9  | 576 | 11                  | 13,731 | 530 |        |               |     |
| 27 WITH HERO-MATES                               |                        |                  |      |     | OIFF.               | 890    | 46  |        |               |     |
| 1257771 CARNATION BUTLER.....                    |                        |                  |      |     |                     |        |     |        |               |     |
| 02-28-55 943802 3483638 23 NON-AI DAUGHTERS      | 46                     | 16,453           | 3.9  | 644 |                     |        |     |        |               |     |
| LISTED, 08-62 23 WITH HERO-MATES                 | 46                     | 16,453           | 3.9  | 644 | 18                  | 15,845 | 609 |        |               |     |
| STATES- 91                                       |                        |                  |      |     | OIFF.               | 608    | 35  |        |               |     |
| 1257895 .....                                    |                        |                  |      |     |                     |        |     |        |               |     |
|  | 6                      | NON-AI DAUGHTERS |      |     |                     |        |     |        |               |     |
| STATES- 35,86                                    | 6                      | WITH HERO-MATES  |      |     | 30                  | 12,739 | 453 |        |               |     |
|  |                        |                  |      |     | OIFF.               | 1636-  | 30- |        |               |     |
| 1257948 WHITBECK VAR KING.....                   |                        |                  |      |     |                     |        |     |        |               |     |
| 05-04-55 1134445 3512406 5 NON-AI DAUGHTERS      | 5                      | 13,254           | 3.7  | 496 |                     |        |     |        |               |     |
| LISTED, 05-64 5 WITH HERO-MATES                  | 5                      | 13,254           | 3.7  | 496 | 22                  | 15,269 | 571 |        |               |     |
| STATES- 34                                       |                        |                  |      |     | OIFF.               | 2015-  | 75- |        |               |     |
| 1258305 SKOKIE IMPERIAL LAO.....                 |                        |                  |      |     |                     |        |     |        |               |     |
| 05-05-55 1192875 3513425 5 NON-AI DAUGHTERS      | 7                      | 13,571           | 3.9  | 523 |                     |        |     |        |               |     |
| LISTED, 05-64 5 WITH HERO-MATES                  | 7                      | 13,571           | 3.9  | 523 | 23                  | 12,795 | 465 |        |               |     |
| STATES- 35,51                                    |                        |                  |      |     | OIFF.               | 776    | 58  |        |               |     |
| 1258410 REOSTONE WEEJOE POSCH - TWIN.....        |                        |                  |      |     |                     |        |     |        |               |     |
| 07-07-55 976709 2657770 25 NON-AI DAUGHTERS      | 51                     | 12,332           | 3.6  | 446 |                     |        |     |        |               |     |
| LISTED, 01-63 25 WITH HERO-MATES                 | 51                     | 12,332           | 3.6  | 446 | 31                  | 13,022 | 479 |        |               |     |
| STATES- 13,14,15,16,21                           |                        |                  |      |     | OIFF.               | 690-   | 33- |        |               |     |
| 1258474 AMES XYRIS.....                          |                        |                  |      |     |                     |        |     |        |               |     |
| 08-30-54 1189097 3046150 9 NON-AI DAUGHTERS      | 21                     | 14,465           | 3.5  | 509 |                     |        |     |        |               |     |
| STATES- 42                                       | 21                     | 14,465           | 3.5  | 509 | 22                  | 15,496 | 539 |        |               |     |
|  |                        |                  |      |     | OIFF.               | 1031-  | 30- |        |               |     |
| 1258659 GREEN BANKS LEO OIANA KING.....          |                        |                  |      |     |                     |        |     |        |               |     |
| 05-29-55 1189739 3292537 11 NON-AI DAUGHTERS     | 14                     | 13,556           | 3.5  | 471 |                     |        |     |        |               |     |
| LISTED, 03-64 11 WITH HERO-MATES                 | 14                     | 13,556           | 3.5  | 471 | 24                  | 13,054 | 483 |        |               |     |
| STATES- 21                                       |                        |                  |      |     | OIFF.               | 502    | 12- |        |               |     |
| 1258673 GREEN NOTCH SEGIS GINGER.....            |                        |                  |      |     |                     |        |     |        |               |     |
| 08-16-54 1157409 3333442 250 AI DAUGHTERS-25*    | 253                    | 13,048           | 4.1  | 530 |                     |        |     |        |               |     |
| AI STUO, 35-75 LISTED, 05-64 240 WITH HERO-MATES | 242                    | 13,141           | 4.1  | 534 | 31                  | 14,086 | 511 | 11,726 | 483           |     |
| STATES- 12,13,16,21,23,32,34,                    |                        |                  |      |     | OIFF.               | 945-   | 23  |        |               |     |
| 35,41,48,52,57,82,85,86,87,88,                   | 69                     | 14,053           | 4.2  | 591 |                     |        |     |        |               |     |
| 91,92,93   | 69                     | 14,053           | 4.2  | 591 | 12                  | 14,632 | 558 |        |               |     |
|  |                        |                  |      |     | OIFF.               | 579-   | 33  |        |               |     |
| 1258760 .....                                    |                        |                  |      |     |                     |        |     |        |               |     |
|  | 8                      | NON-AI DAUGHTERS |      |     |                     |        |     |        |               |     |
| STATES- 21                                       | 7                      | WITH HERO-MATES  |      |     | 11                  | 12,968 | 467 |        |               |     |
|  |                        |                  |      |     | OIFF.               | 1729-  | 43- |        |               |     |
| 1258830 MARPENOALE COLCOBUR EMPEROR.....         |                        |                  |      |     |                     |        |     |        |               |     |
| 04-16-54 1091409 3131908 29 NON-AI DAUGHTERS     | 75                     | 10,967           | 3.7  | 402 |                     |        |     |        |               |     |
| LISTED, 08-62 29 WITH HERO-MATES                 | 75                     | 10,967           | 3.7  | 402 | 13                  | 11,153 | 405 |        |               |     |
| STATES- 51                                       |                        |                  |      |     | OIFF.               | 186-   | 3-  |        |               |     |
| 1258898 GLENN-YALE SPOFFORO RE-GRANO.....        |                        |                  |      |     |                     |        |     |        |               |     |
| 07-27-55 1187808 3677367 25 NON-AI DAUGHTERS     | 32                     | 14,650           | 3.5  | 512 |                     |        |     |        |               |     |
| LISTED, 11-63 25 WITH HERO-MATES                 | 32                     | 14,650           | 3.5  | 512 | 15                  | 15,127 | 522 |        |               |     |
| STATES- 31                                       |                        |                  |      |     | OIFF.               | 477-   | 10- |        |               |     |
| 1259037 WIS PROSPERITY LAO.....                  |                        |                  |      |     |                     |        |     |        |               |     |
| 07-03-55 1195760 3279882 16 NON-AI DAUGHTERS     | 39                     | 13,432           | 3.5  | 466 |                     |        |     |        |               |     |
| LISTED, 08-62 16 WITH HERO-MATES                 | 39                     | 13,432           | 3.5  | 466 | 10                  | 12,392 | 451 |        |               |     |
| STATES- 34,35,42,47                              |                        |                  |      |     | OIFF.               | 1040   | 15  |        |               |     |
| 1259039 WIS VENUS SUPREME.....                   |                        |                  |      |     |                     |        |     |        |               |     |
| 06-13-55 1151280 2347083 15 NON-AI DAUGHTERS     | 25                     | 13,347           | 3.8  | 508 |                     |        |     |        |               |     |
| AI STUO, 35-03 LISTED, 05-64 15 WITH HERO-MATES  | 25                     | 13,347           | 3.8  | 508 | 23                  | 13,965 | 512 |        |               |     |
| STATES- 21,23,31,35,41,56                        |                        |                  |      |     | OIFF.               | 618-   | 4-  |        |               |     |
| 1259069 POESTENKILL LEAOR BELLE BOY.....         |                        |                  |      |     |                     |        |     |        |               |     |
| 01-27-54 915940 3110975 2 AI DAUGHTERS-02        |                        |                  |      |     |                     |        |     |        |               |     |
| AI STUO, 35-75 LISTED, 05-64 1 WITH HERO-MATES   |                        |                  |      |     |                     |        |     |        |               |     |
| STATES- 13,21,34                                 |                        |                  |      |     |                     |        |     |        |               |     |
|  | 45                     | NON-AI DAUGHTERS |      |     | 73                  | 15,724 | 3.6 | 572    |               |     |
|  | 45                     | WITH HERO-MATES  |      |     | 72                  | 15,600 | 3.7 | 571    |               |     |
|  |                        |                  |      |     | 19                  | 14,943 | 556 |        |               |     |
|  |                        |                  |      |     | OIFF.               | 657    | 15  |        |               |     |
| 1259075 EILLOC SIGNATURE.....                    |                        |                  |      |     |                     |        |     |        |               |     |
| 08-19-54 1212056 3584822 39 NON-AI DAUGHTERS     | 72                     | 11,133           | 3.6  | 404 |                     |        |     |        |               |     |
| LISTED, 08-62 38 WITH HERO-MATES                 | 70                     | 11,238           | 3.6  | 408 | 26                  | 12,107 | 424 |        |               |     |
| STATES- 86                                       |                        |                  |      |     | OIFF.               | 869-   | 16- |        |               |     |
| 1259197 CREOITVALE FOND LOCHINVAR.....           |                        |                  |      |     |                     |        |     |        |               |     |
| 11-13-54 010212300 010684728 17 NON-AI DAUGHTERS | 18                     | 15,686           | 3.0  | 471 |                     |        |     |        |               |     |
| LISTED, 03-64 17 WITH HERO-MATES                 | 18                     | 15,686           | 3.0  | 471 | 44                  | 15,684 | 486 |        |               |     |
| STATES- 57                                       |                        |                  |      |     | OIFF.               | 2      | 15- |        |               |     |
| 1259491 .....                                    |                        |                  |      |     |                     |        |     |        |               |     |
|  | 17                     | NON-AI DAUGHTERS |      |     | 26                  | 16,848 | 3.3 | 562    |               |     |
| STATES- 91                                       | 17                     | WITH HERO-MATES  |      |     | 26                  | 16,848 | 3.3 | 562    |               |     |
|  |                        |                  |      |     | 37                  | 15,718 | 501 |        |               |     |
|  |                        |                  |      |     | OIFF.               | 1130   | 61  |        |               |     |

## SIRE OF DHIA DAUGHTERS

| SIRES OF DATA DAUGHTER                     |  |  |  | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |            |
|--|--|--|--|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|------------|
| HOLSTEIN                                   |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| 1259686 .....                              |  |  |  | 5           | NDN-AI DAUGHTERS      | 6      | 10,696      | 3.7             | 400                |            |                   |            |            |
| STATES- 23                                 |  |  |  | 5           | WITH HERD-MATES       | 6      | 10,696      | 3.7             | 400                | 26 DIFF.   | 10,608 88         | 400        |            |
| 1259881 LILLYWHITE PRINCE.....             |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D8-D4-54 1235335 2705982                   |  |  |  | 156         | AI DAUGHTERS-25*      | 177    | 11,667      | 3.6             | 415                |            |                   |            |            |
| AI STUD, 42-D2 LISTED, 05-64               |  |  |  | 154         | WITH HERD-MATES       | 175    | 11,743      | 3.6             | 418                | 16 DIFF.   | 12,643 900-       | 461 43-    | 11,659 416 |
| STATES- 35,41,42,47,74,82,85, 87           |  |  |  | 28          | NDN-AI DAUGHTERS      | 64     | 13,058      | 3.6             | 468                |            |                   |            |            |
|  |  |  |  | 28          | WITH HERD-MATES       | 64     | 13,058      | 3.6             | 468                | 24 DIFF.   | 13,545 487-       | 494 26-    |            |
| 1260050 B. D. I. LUCEMPLDO LAD.....        |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D2-27-55 769170 3540249                    |  |  |  | 36          | NON-AI DAUGHTERS      | 77     | 15,311      | 3.8             | 583                |            |                   |            |            |
| LISTED, 08-62                              |  |  |  | 36          | WITH HERD-MATES       | 77     | 15,311      | 3.8             | 583                | 17 DIFF.   | 15,018 293        | 542 41     |            |
| STATES- 52                                 |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| 1260081 CONSTANTINE MADCAP MARKSMAN.....   |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D7-26-53 1054507 2760473                   |  |  |  | 12          | NDN-AI DAUGHTERS      | 23     | 12,243      | 3.7             | 451                |            |                   |            |            |
| LISTED, 08-63                              |  |  |  | 12          | WITH HERD-MATES       | 23     | 12,243      | 3.7             | 451                | 19 DIFF.   | 12,829 586-       | 476 25-    |            |
| STATES- 91,92                              |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| 1260087 VEL-DEAN KING DRMS8Y PDSCH.....    |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D5-27-55 1218933 2442964                   |  |  |  | 6           | NDN-AI DAUGHTERS      | 10     | 16,352      | 3.6             | 586                |            |                   |            |            |
| LISTED, 05-64                              |  |  |  | 6           | WITH HERD-MATES       | 10     | 16,352      | 3.6             | 586                | 20 DIFF.   | 13,843 2509       | 496 90     |            |
| STATES- 32,61                              |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| 1260264 CHRISTY HOMESTEAD ASPIRANT.....    |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D2-23-55 1001768 3315857                   |  |  |  | 1           | AI DAUGHTERS-D1       | 1      | 10,270      | 3.5             | 363                |            |                   |            |            |
| AI STUD, 41-25 LISTED, 05-64               |  |  |  | 32          | NON-AI DAUGHTERS      | 62     | 13,045      | 3.8             | 498                |            |                   |            |            |
| STATES- 35,41                              |  |  |  | 32          | WITH HERD-MATES       | 61     | 13,063      | 3.8             | 500                | 9 DIFF.    | 13,772 709-       | 522 22-    |            |
| 1260267 CHRISTY HOMESTEAD FOREMAN.....     |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D6-17-55 1001768 2823119                   |  |  |  | 181         | AI DAUGHTERS-25*      | 312    | 12,793      | 3.5             | 442                |            |                   |            |            |
| AI STUD, 31-D2 LISTED, 01-63               |  |  |  | 175         | WITH HERD-MATES       | 302    | 12,754      | 3.5             | 441                | 18 DIFF.   | 13,178 424-       | 475 34-    | 12,143 425 |
| STATES- 23,31,32,42,43,55,56, 58,61        |  |  |  | 1           | NDN-AI DAUGHTERS      | 1      | 14,800      | 3.2             | 469                |            |                   |            |            |
|  |  |  |  | 1           | WITH HERD-MATES       | 1      | 14,800      | 3.2             | 469                | 25 DIFF.   | 12,567 2233       | 492 23-    |            |
| 1260307 MILLER FARMS ADMIRAL 8EAUTY.....   |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D5-12-55 1161944 3628136                   |  |  |  | 10          | NON-AI DAUGHTERS      | 10     | 16,682      | 3.1             | 515                |            |                   |            |            |
| LISTED, 03-64                              |  |  |  | 10          | WITH HERD-MATES       | 10     | 16,682      | 3.1             | 515                | 43 DIFF.   | 15,901 781        | 492 23     |            |
| STATES- 57                                 |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| 1260314 RWJS DESIGN GLENN GYPSIE.....      |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D7-D7-54 935780 2743864                    |  |  |  | 9           | AI DAUGHTERS-D2       | 9      | 16,897      | 3.5             | 594                |            |                   |            |            |
| AI STUD, 93-D5 LISTED, 08-63               |  |  |  | 9           | WITH HERD-MATES       | 9      | 16,897      | 3.5             | 594                | 74 DIFF.   | 17,230 333-       | 633 39-    | 12,531 446 |
| STATES- 93                                 |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| 1260405 TALDGA ADDHR DIXIE.....            |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D2-17-54 1210112 3278052                   |  |  |  | 10          | AI DAUGHTERS-D9       | 10     | 11,173      | 3.8             | 420                |            |                   |            |            |
| AI STUD, 48-D1 LISTED, 05-64               |  |  |  | 10          | WITH HERD-MATES       | 10     | 11,173      | 3.8             | 420                | 11 DIFF.   | 12,836 1663-      | 472 52-    | 11,739 432 |
| STATES- 21,43,47,48,65,73,74               |  |  |  | 21          | NDN-AI DAUGHTERS      | 25     | 12,427      | 3.5             | 434                |            |                   |            |            |
|  |  |  |  | 21          | WITH HERD-MATES       | 24     | 12,355      | 3.5             | 431                | 15 DIFF.   | 12,161 194        | 429 2      |            |
| 1260461 SHAWS FERN TIDY LASS.....          |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D8-28-55 1011980 2988336                   |  |  |  | 806         | AI DAUGHTERS-25*      | 1466   | 13,194      | 3.9             | 508                |            |                   |            |            |
| AI STUD, 23-D4 LISTED, 05-64               |  |  |  | 803         | WITH HERD-MATES       | 1455   | 13,207      | 3.9             | 509                | 15 DIFF.   | 13,446 239-       | 506 3      | 12,332 463 |
| STATES- 21,23,51                           |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| 1260557 TALDGA 8EAUTY TRADEMARK.....       |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D2-D8-55 1143501 3090812                   |  |  |  | 15          | NDN-AI DAUGHTERS      | 27     | 13,878      | 3.4             | 478                |            |                   |            |            |
| LISTED, 01-63                              |  |  |  | 14          | WITH HERD-MATES       | 25     | 14,022      | 3.5             | 486                | 12 DIFF.   | 12,588 1434       | 462 24     |            |
| STATES- 47,48,63                           |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| 1261140 SPERGER MADCAP SKYMASTER.....      |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D1-29-54 1070226 2893012                   |  |  |  | 132         | AI DAUGHTERS-25*      | 137    | 12,740      | 3.6             | 454                |            |                   |            |            |
| AI STUD, 41-D1 LISTED, 05-64               |  |  |  | 129         | WITH HERD-MATES       | 134    | 12,849      | 3.6             | 457                | 15 DIFF.   | 12,699 150        | 455 2      | 12,628 457 |
| STATES- 35,41,42,45,46,91                  |  |  |  | 19          | NDN-AI DAUGHTERS      | 39     | 13,734      | 3.8             | 517                |            |                   |            |            |
|  |  |  |  | 18          | WITH HERD-MATES       | 38     | 13,908      | 3.8             | 524                | 14 DIFF.   | 13,750 158        | 515 9      |            |
| 1261266 SEQUOLA JD JO A88EKERK - TWIN..... |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D5-30-54 1141591 2568658                   |  |  |  | 10          | AI DAUGHTERS-10       | 10     | 13,243      | 3.8             | 507                |            |                   |            |            |
| AI STUD, 35-D5 LISTED, 05-64               |  |  |  | 9           | WITH HERD-MATES       | 9      | 13,709      | 3.8             | 526                | 11 DIFF.   | 13,533 176        | 479 47     | 12,589 476 |
| STATES- 35,41,42                           |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| 1261385 LAW8RO SDVEREIGN REX.....          |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D1-19-54 1110477 2794221                   |  |  |  | 29          | NDN-AI DAUGHTERS      | 69     | 13,879      | 3.4             | 472                |            |                   |            |            |
| STATES- 21,23,51                           |  |  |  | 29          | WITH HERD-MATES       | 69     | 13,879      | 3.4             | 472                | 19 DIFF.   | 13,555 324        | 481 9-     |            |
| 1261439 FROGMORE ROYAL LANCER.....         |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D2-23-55 1020277 3331145                   |  |  |  | 71          | AI DAUGHTERS-25*      | 74     | 14,326      | 3.6             | 518                |            |                   |            |            |
| AI STUD, 31-D1 LISTED, 03-64               |  |  |  | 70          | WITH HERD-MATES       | 73     | 14,348      | 3.6             | 518                | 21 DIFF.   | 13,974 374        | 502 16     | 12,916 473 |
| STATES- 21,23,31,35,74,84,85               |  |  |  | 48          | NON-AI DAUGHTERS      | 86     | 14,248      | 3.5             | 503                |            |                   |            |            |
|  |  |  |  | 48          | WITH HERD-MATES       | 86     | 14,248      | 3.5             | 503                | 31 DIFF.   | 14,541 293-       | 514 11-    |            |
| 1261631 ELMER 8ROOK PIRATE HOMESTEAD.....  |  |  |  |             |                       |        |             |                 |                    |            |                   |            |            |
| D7-19-55 1220074 3398044                   |  |  |  | 82          | AI DAUGHTERS-25*      | 168    | 12,909      | 3.7             | 479                |            |                   |            |            |
| AI STUD, 35-D5 LISTED, 05-64               |  |  |  | 82          | WITH HERD-MATES       | 166    | 12,903      | 3.7             | 479                | 12 DIFF.   | 13,050 147-       | 481 2-     | 12,394 456 |
| STATES- 33,35,41,42,72                     |  |  |  | 3           | NDN-AI DAUGHTERS      | 9      | 12,698      | 3.9             | 490                |            |                   |            |            |
|  |  |  |  | 3           | WITH HERD-MATES       | 9      | 12,698      | 3.9             | 490                | 6 DIFF.    | 13,793 1095-      | 523 33-    |            |

## SIREN OF DHIA DAUGHTERS

| HDLSTEIN  |  |  |  |  | AV. PRODUCTION OF | AV. PRODUCTION OF | AV. PRODUCTION OF | AV. PRODUCTION OF | ADJ. HERD-MATES | ADJ. HERD-MATES | ADJ. HERD-MATES | PREDICTED | PREDICTED |
|---|--|--|--|--|-------------------|-------------------|-------------------|-------------------|-----------------|-----------------|-----------------|-----------|-----------|
|   |  |  |  |  | RECORDS           | MILK              | TEST              | FAT               | AV. MILK        | AV. MILK        | AV. MILK        | MILK      | FAT       |
|   |  |  |  |  | NUMBER            | L8                | %                 | L8                | NUMBER          | L8              | L8              | L8        | L8        |
| 1261710 MARSHLINE RAVEN RINGMASTER.....           |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 07-17-55 1214178 2953267 29 NON-AI DAUGHTERS      |  |  |  |  | 48                | 12,036            | 3.5               | 425               |                 |                 |                 |           |           |
| LISTED, 08-62 29 WITH HERD-MATES                  |  |  |  |  | 48                | 12,036            | 3.5               | 425               | 20              | 12,953          | 452             |           |           |
| STATES- 21,23                                     |  |  |  |  |                   |                   |                   |                   | OIFF.           | 917-            | 27-             |           |           |
| 1261743 BIG RDCK DRMSBY TRIUNE.....               |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 10-07-54 955619 3665883 28 NDN-AI DAUGHTERS       |  |  |  |  | 69                | 13,732            | 4.3               | 585               |                 |                 |                 |           |           |
| AI STUD, 23-04 LISTED, 05-64 28 WITH HERD-MATES   |  |  |  |  | 68                | 13,757            | 4.3               | 587               | 14              | 14,292          | 552             |           |           |
| STATES- 21  |  |  |  |  |                   |                   |                   |                   | DIFF.           | 535-            | 35              |           |           |
| 1261857 ZIMMERMAN ALSTAR PILD.....                |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 12-28-54 1080016 3896921 78 AI DAUGHTERS-25*      |  |  |  |  | 127               | 15,780            | 3.9               | 621               |                 |                 |                 |           |           |
| AI STUO, 23-01 LISTED, 05-64 78 WITH HERD-MATES   |  |  |  |  | 125               | 15,803            | 3.9               | 622               | 15              | 14,731          | 569             | 13,587    | 510       |
| STATES- 21,22,23,34,42,52,84                      |  |  |  |  |                   |                   |                   |                   | OIFF.           | 1072            | 53              |           |           |
| 1261988 AMANA BURKE PATHFINDER.....               |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 04-01-55 1192899 2960541 8 NDN-AI DAUGHTERS       |  |  |  |  | 16                | 9,757             | 3.7               | 357               |                 |                 |                 |           |           |
| LISTED, 08-62 8 WITH HERD-MATES                   |  |  |  |  | 16                | 9,757             | 3.7               | 357               | 66              | 10,210          | 369             |           |           |
| STATES- 42  |  |  |  |  |                   |                   |                   |                   | OIFF.           | 453-            | 12-             |           |           |
| 1262078 .....                                     |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| STATES- 31  |  |  |  |  | 7                 | 13,804            | 3.7               | 511               | 7               | 13,797          | 530             |           |           |
|   |  |  |  |  | 7                 | 13,804            | 3.7               | 511               | DIFF.           | 7               | 19-             |           |           |
| 1262090 SQUARE FDRTY VALE DICK.....               |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 10-18-54 1152480 3179315 12 NON-AI DAUGHTERS      |  |  |  |  | 27                | 12,702            | 3.6               | 463               |                 |                 |                 |           |           |
| STATES- 34  |  |  |  |  | 27                | 12,702            | 3.6               | 463               | 27              | 12,805          | 471             |           |           |
|   |  |  |  |  |                   |                   |                   |                   | OIFF.           | 103-            | 8-              |           |           |
| 1262137 .....                                     |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| STATES- 61  |  |  |  |  | 22                | 11,710            | 3.7               | 429               | 24              | 12,481          | 454             |           |           |
|   |  |  |  |  | 22                | 11,710            | 3.7               | 429               | OIFF.           | 771-            | 25-             |           |           |
| 1262226 LEOARNO MISSDURI 8DY MARS -TWIN-.....     |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 08-09-55 1171946 3705962 33 NDN-AI DAUGHTERS      |  |  |  |  | 63                | 12,679            | 3.4               | 435               |                 |                 |                 |           |           |
| LISTED, 01-63 30 WITH HERD-MATES                  |  |  |  |  | 58                | 12,555            | 3.4               | 433               | 32              | 12,408          | 436             |           |           |
| STATES- 43  |  |  |  |  |                   |                   |                   |                   | OIFF.           | 147             | 3-              |           |           |
| 1262442 EILLDC THE CRDWN PRINCE.....              |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 01-08-55 1212056 3372154 16 AI DAUGHTERS-01       |  |  |  |  | 37                | 14,606            | 3.8               | 553               |                 |                 |                 |           |           |
| AI STUO, 93-03 LISTED, 05-64 16 WITH HERD-MATES   |  |  |  |  | 37                | 14,606            | 3.8               | 553               | 122             | 15,238          | 554             | 12,269    | 460       |
| STATES- 93  |  |  |  |  |                   |                   |                   |                   | OIFF.           | 632-            | 1-              |           |           |
| 1262443 EILLDC KING-PIN.....                      |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 01-15-55 1212056 3404628 12 NDN-AI DAUGHTERS      |  |  |  |  | 15                | 15,083            | 3.2               | 485               |                 |                 |                 |           |           |
| LISTED, 08-63 12 WITH HERD-MATES                  |  |  |  |  | 15                | 15,083            | 3.2               | 485               | 39              | 15,298          | 525             |           |           |
| STATES- 86  |  |  |  |  |                   |                   |                   |                   | DIFF.           | 215-            | 40-             |           |           |
| 1262521 DAN8DRO HURLWDOO IDDL.....                |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 04-11-55 1213163 3212184 33 NDN-AI DAUGHTERS      |  |  |  |  | 74                | 12,074            | 3.8               | 458               |                 |                 |                 |           |           |
| LISTED, 08-62 32 WITH HERD-MATES                  |  |  |  |  | 73                | 12,084            | 3.8               | 458               | 15              | 12,763          | 477             |           |           |
| STATES- 23,50,51                                  |  |  |  |  |                   |                   |                   |                   | OIFF.           | 679-            | 19-             |           |           |
| 1262626 .....                                     |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| STATES- 74  |  |  |  |  | 6                 | 10,955            | 3.7               | 400               | 40              | 13,736          | 475             |           |           |
|   |  |  |  |  | 6                 | 10,955            | 3.7               | 400               | OIFF.           | 2781-           | 75-             |           |           |
| 1262705 PABST LEAOR ROMIER.....                   |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 07-10-55 915940 3411405 31 NON-AI DAUGHTERS       |  |  |  |  | 55                | 16,046            | 3.4               | 543               |                 |                 |                 |           |           |
| LISTED, 01-63 31 WITH HERD-MATES                  |  |  |  |  | 54                | 16,076            | 3.4               | 545               | 14              | 14,534          | 534             |           |           |
| STATES- 21,32,34                                  |  |  |  |  |                   |                   |                   |                   | OIFF.           | 1542            | 11              |           |           |
| 1262714 PABST CYCLDNE BURKE.....                  |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 08-08-55 1215958 3317416 11 NDN-AI DAUGHTERS      |  |  |  |  | 19                | 12,472            | 3.7               | 457               |                 |                 |                 |           |           |
| LISTED, 08-62 11 WITH HERD-MATES                  |  |  |  |  | 19                | 12,472            | 3.7               | 457               | 10              | 13,068          | 473             |           |           |
| STATES- 34  |  |  |  |  |                   |                   |                   |                   | OIFF.           | 596-            | 16-             |           |           |
| 1262717 GYPSIE REGAL.....                         |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 10-30-54 1189554 3414547 20 NDN-AI DAUGHTERS      |  |  |  |  | 42                | 11,810            | 3.4               | 403               |                 |                 |                 |           |           |
| STATES- 41  |  |  |  |  | 41                | 11,817            | 3.4               | 403               | 8               | 12,793          | 462             |           |           |
|   |  |  |  |  |                   |                   |                   |                   | DIFF.           | 976-            | 59-             |           |           |
| 1262987 ELMOKA DLIVER HDMESTEAD.....              |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 04-01-55 1213268 2816711 10 AI DAUGHTERS-10       |  |  |  |  | 10                | 8,638             | 3.6               | 308               |                 |                 |                 |           |           |
| AI STUO, 41-25 LISTED, 05-64 7 WITH HERD-MATES    |  |  |  |  | 7                 | 8,241             | 3.7               | 306               | 4               | 10,639          | 397             | 11,542    | 420       |
| STATES- 35,41                                     |  |  |  |  |                   |                   |                   |                   | DIFF.           | 2398-           | 91-             |           |           |
|   |  |  |  |  | 9                 | 12,590            | 3.7               | 472               |                 |                 |                 |           |           |
|   |  |  |  |  | 9                 | 12,678            | 3.8               | 477               | 18              | 14,031          | 525             |           |           |
|   |  |  |  |  |                   |                   |                   |                   | DIFF.           | 1353-           | 48-             |           |           |
| 1263007 WIS MAESTRD.....                          |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 09-28-55 1189593 3111751 1634 AI DAUGHTERS-25*    |  |  |  |  | 2533              | 13,626            | 3.5               | 483               |                 |                 |                 |           |           |
| AI STUO, 34-01 LISTED, 05-64 1591 WITH HERD-MATES |  |  |  |  | 2464              | 13,632            | 3.5               | 483               | 17              | 13,434          | 487             | 12,762    | 454       |
| STATES- 14,15,16,21,23,31,32,                     |  |  |  |  |                   |                   |                   |                   | DIFF.           | 198             | 4-              |           |           |
| 33,34,35,42,46,47,50,51,52,61,                    |  |  |  |  | 59                | 13,727            | 3.6               | 501               |                 |                 |                 |           |           |
| 91  |  |  |  |  | 59                | 13,727            | 3.6               | 501               | 21              | 13,378          | 492             |           |           |
|   |  |  |  |  |                   |                   |                   |                   | DIFF.           | 349             | 9               |           |           |
| 1263008 WIS INTENSE.....                          |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| 10-11-55 1189593 3009985 49 AI DAUGHTERS-25*      |  |  |  |  | 51                | 14,227            | 3.4               | 490               |                 |                 |                 |           |           |
| AI STUD, 35-02 LISTED, 05-64 49 WITH HERD-MATES   |  |  |  |  | 51                | 14,227            | 3.4               | 490               | 14              | 13,366          | 484             | 13,231    | 462       |
| STATES- 34,35,58                                  |  |  |  |  |                   |                   |                   |                   | OIFF.           | 861             | 6               |           |           |
|   |  |  |  |  | 14                | 15,434            | 3.6               | 556               |                 |                 |                 |           |           |
|   |  |  |  |  | 14                | 15,434            | 3.6               | 556               | 12              | 16,154          | 586             |           |           |
|   |  |  |  |  |                   |                   |                   |                   | DIFF.           | 720-            | 30-             |           |           |
| 1263104 .....                                     |  |  |  |  |                   |                   |                   |                   |                 |                 |                 |           |           |
| STATES- 34  |  |  |  |  | 5                 | 14,182            | 3.5               | 501               |                 |                 |                 |           |           |
|   |  |  |  |  | 5                 | 14,182            | 3.5               | 501               | 18              | 13,797          | 515             |           |           |
|   |  |  |  |  |                   |                   |                   |                   | OIFF.           | 385             | 14-             |           |           |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF |                  |           |           | ADJ. HERO-MATES |                  |           | PREOICTED AV. |           |
|--|-------------------|------------------|-----------|-----------|-----------------|------------------|-----------|---------------|-----------|
|  | RECOROS<br>NUMBER | MILK<br>LB       | TEST<br>% | FAT<br>LB | AV.<br>NUMBER   | MILK<br>LB       | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1263152 WIPLEDALE KORNDYKE PRINCE.....           |                   |                  |           |           |                 |                  |           |               |           |
| 04-28-55 860768 3196092 265 AI DAUGHTERS-25*     | 334               | 12,967           | 3.7       | 481       |                 |                  |           |               |           |
| AI STUO, 52-01 LISTED, 05-64 262 WITH HERD-MATES | 330               | 12,947           | 3.7       | 480       |                 |                  |           |               |           |
| STATES- 23,52,55                                 |                   |                  |           |           | 27              | 12,877           | 469       | 12,576        | 466       |
|  |                   |                  |           |           | DIFF.           | 70               | 11        |               |           |
| 9 NON-AI DAUGHTERS                               | 14                | 12,912           | 3.6       | 459       |                 |                  |           |               |           |
| 9 WITH HERD-MATES                                | 14                | 12,912           | 3.6       | 459       | 25              | 12,328           | 453       |               |           |
|  |                   |                  |           |           | DIFF.           | 584              | 6         |               |           |
| 1263512 OICMERE GLO-RIOGE LEADER.....            |                   |                  |           |           |                 |                  |           |               |           |
| 09-20-55 915940 3213225 19 NON-AI DAUGHTERS      | 31                | 12,368           | 4.0       | 498       |                 |                  |           |               |           |
| AI STUO, 31-02 LISTED, 05-64 19 WITH HERD-MATES  | 31                | 12,368           | 4.0       | 498       | 10              | 13,062           | 471       |               |           |
| STATES- 31,33,56                                 |                   |                  |           |           | DIFF.           | 694-             | 27        |               |           |
| 1263562 LOCK VINA BELL RINGER.....               |                   |                  |           |           |                 |                  |           |               |           |
| 01-07-54 1144265 3419530 31 NON-AI DAUGHTERS     | 32                | 17,394           | 3.4       | 599       |                 |                  |           |               |           |
| LISTED, 03-64 31 WITH HERD-MATES                 | 32                | 17,394           | 3.4       | 599       | 127             | 16,769           | 575       |               |           |
| STATES- 93                                       |                   |                  |           |           | DIFF.           | 625              | 24        |               |           |
| 1263592 CACHE ACRES PRINCE MIONIGHT.....         |                   |                  |           |           |                 |                  |           |               |           |
| 09-29-55 915469 3457614 54 NON-AI DAUGHTERS      | 99                | 14,079           | 3.8       | 539       |                 |                  |           |               |           |
| LISTED, 01-63 54 WITH HERD-MATES                 | 99                | 14,079           | 3.8       | 539       | 52              | 14,748           | 529       |               |           |
| STATES- 93                                       |                   |                  |           |           | DIFF.           | 669-             | 10        |               |           |
| 1263834 OAWNVALE MASTERPIECE MAGIC - TWIN.....   |                   |                  |           |           |                 |                  |           |               |           |
| 10-18-55 929962 3443035 57 AI DAUGHTERS-25*      | 134               | 13,212           | 3.9       | 510       |                 |                  |           |               |           |
| AI STUO, 21-01 LISTED, 05-64 55 WITH HERD-MATES  | 130               | 13,255           | 3.9       | 513       | 21              | 13,598           | 493       | 12,282        | 475       |
| STATES- 13,21,23                                 |                   |                  |           |           | DIFF.           | 343-             | 20        |               |           |
| 1263835 OAWNVALE MASTERPIECE MYSTIC - TWIN.....  |                   |                  |           |           |                 |                  |           |               |           |
| 10-18-55 929962 3443035 69 AI DAUGHTERS-25*      | 153               | 13,020           | 3.7       | 476       |                 |                  |           |               |           |
| AI STUO, 21-01 LISTED, 05-64 68 WITH HERD-MATES  | 150               | 13,051           | 3.7       | 477       | 20              | 13,115           | 476       | 12,471        | 458       |
| STATES- 13,21,23                                 |                   |                  |           |           | DIFF.           | 64-              | 1         |               |           |
| 1263840 DUTCH CORNER WALLIE VAR.....             |                   |                  |           |           |                 |                  |           |               |           |
| 09-05-55 1190632 2886881 14 NON-AI DAUGHTERS     | 15                | 14,739           | 3.4       | 504       |                 |                  |           |               |           |
| LISTED, 03-64 14 WITH HERD-MATES                 | 15                | 14,739           | 3.4       | 504       | 46              | 12,661           | 454       |               |           |
| STATES- 21                                       |                   |                  |           |           | DIFF.           | 2078             | 50        |               |           |
| 1263855 .....                                    |                   |                  |           |           |                 |                  |           |               |           |
| STATES- 23                                       |                   |                  |           |           | 5               | NON-AI DAUGHTERS |           |               |           |
|  |                   |                  |           |           | 5               | WITH HERD-MATES  |           |               |           |
|  | 8                 | 9,731            | 3.5       | 340       |                 |                  |           |               |           |
|  | 8                 | 9,731            | 3.5       | 340       | 8               | 10,723           | 396       |               |           |
|  |                   |                  |           |           | DIFF.           | 992-             | 56-       |               |           |
| 1263890 NDWISCO MAKIDA CLIPPER.....              |                   |                  |           |           |                 |                  |           |               |           |
| 05-12-55 1085852 3483210 11 NON-AI DAUGHTERS     | 25                | 10,776           | 3.5       | 374       |                 |                  |           |               |           |
| LISTED, 08-62 11 WITH HERD-MATES                 | 25                | 10,776           | 3.5       | 374       | 17              | 12,468           | 450       |               |           |
| STATES- 35                                       |                   |                  |           |           | DIFF.           | 1692-            | 76-       |               |           |
| 1263958 LONGSWAMP KNIGHT LANCER.....             |                   |                  |           |           |                 |                  |           |               |           |
| 10-08-54 900067 3594562 5 NON-AI DAUGHTERS       | 7                 | 16,024           | 3.5       | 554       |                 |                  |           |               |           |
| LISTED, 05-64 5 WITH HERD-MATES                  | 7                 | 16,024           | 3.5       | 554       | 16              | 13,814           | 504       |               |           |
| STATES- 32                                       |                   |                  |           |           | DIFF.           | 2210             | 50        |               |           |
| 1263982 SKOKIE GOOD CREATION.....                |                   |                  |           |           |                 |                  |           |               |           |
| 11-12-54 1199324 2136326 9 NON-AI DAUGHTERS      | 25                | 13,257           | 3.7       | 486       |                 |                  |           |               |           |
| LISTED, 08-62 8 WITH HERD-MATES                  | 24                | 12,787           | 3.7       | 472       | 10              | 12,317           | 444       |               |           |
| STATES- 33,35,41,42,51                           |                   |                  |           |           | DIFF.           | 470              | 28        |               |           |
| 1263983 SKOKIE GOOD REGENT.....                  |                   |                  |           |           |                 |                  |           |               |           |
| 07-22-55 1199324 3130668 195 AI DAUGHTERS-25*    | 218               | 12,189           | 3.9       | 476       |                 |                  |           |               |           |
| AI STUO, 33-03 LISTED, 05-64 192 WITH HERD-MATES | 212               | 12,239           | 3.9       | 477       | 18              | 13,209           | 488       | 11,629        | 447       |
| STATES- 11,12,13,14,15,16,21,                    |                   |                  |           |           | DIFF.           | 970-             | 11-       |               |           |
| 22,23,31,32,33,34,35,41,42,45,                   | 78                | 12,226           | 3.9       | 474       |                 |                  |           |               |           |
| 46,47,48,50,51,52,63,87,91,93                    | 78                | 12,226           | 3.9       | 474       | 16              | 12,367           | 451       |               |           |
|  |                   |                  |           |           | DIFF.           | 141-             | 23        |               |           |
| 1264034 BUDD FARM ACE MASTER.....                |                   |                  |           |           |                 |                  |           |               |           |
| 03-24-55 1186187 3680063 27 NON-AI DAUGHTERS     | 50                | 11,485           | 4.0       | 457       |                 |                  |           |               |           |
| LISTED, 08-62 26 WITH HERD-MATES                 | 49                | 11,614           | 4.0       | 461       | 18              | 13,250           | 480       |               |           |
| STATES- 34                                       |                   |                  |           |           | DIFF.           | 1636-            | 19-       |               |           |
| 1264040 GLENAFTON PROSPECT.....                  |                   |                  |           |           |                 |                  |           |               |           |
| 01-31-55 010239301 010965971 21 AI DAUGHTERS-18  | 21                | 12,664           | 3.5       | 438       |                 |                  |           |               |           |
| AI STUO, 42-02 LISTED, 08-62 20 WITH HERD-MATES  | 20                | 12,595           | 3.4       | 429       | 10              | 12,234           | 445       | 12,680        | 444       |
| STATES- 42                                       |                   |                  |           |           | DIFF.           | 361              | 16-       |               |           |
|  | 15                | NON-AI DAUGHTERS |           |           |                 |                  |           |               |           |
|  | 15                | WITH HERD-MATES  |           |           | 7               | 14,060           | 508       |               |           |
|  | 38                | 14,067           | 3.5       | 491       | DIFF.           | 7                | 17-       |               |           |
| 1264172 BALLARD FARM FUZZY.....                  |                   |                  |           |           |                 |                  |           |               |           |
| 10-27-55 1038489 2976860 14 NON-AI DAUGHTERS     | 28                | 11,752           | 3.9       | 461       |                 |                  |           |               |           |
| LISTED, 08-63 14 WITH HERD-MATES                 | 28                | 11,752           | 3.9       | 461       | 7               | 12,635           | 474       |               |           |
| STATES- 23                                       |                   |                  |           |           | DIFF.           | 883-             | 13-       |               |           |
| 1264212 .....                                    |                   |                  |           |           |                 |                  |           |               |           |
| STATES- 35                                       |                   |                  |           |           | 44              | NON-AI DAUGHTERS |           |               |           |
|  |                   |                  |           |           | 44              | WITH HERD-MATES  |           |               |           |
|  | 114               | 12,398           | 3.6       | 443       |                 |                  |           |               |           |
|  | 114               | 12,398           | 3.6       | 443       | 11              | 12,332           | 440       |               |           |
|  |                   |                  |           |           | DIFF.           | 66               | 3         |               |           |
| 1264417 .....                                    |                   |                  |           |           |                 |                  |           |               |           |
| STATES- 32,34                                    |                   |                  |           |           | 5               | NON-AI DAUGHTERS |           |               |           |
|  |                   |                  |           |           | 5               | WITH HERD-MATES  |           |               |           |
|  | 10                | 11,547           | 3.6       | 420       |                 |                  |           |               |           |
|  | 10                | 11,547           | 3.6       | 420       | 15              | 11,114           | 404       |               |           |
|  |                   |                  |           |           | DIFF.           | 433              | 16        |               |           |
| 1264447 LILAC HILL RAVEN DESIGN.....             |                   |                  |           |           |                 |                  |           |               |           |
| 10-25-54 909839 3239051 656 AI DAUGHTERS-25*     | 1161              | 12,044           | 3.8       | 462       |                 |                  |           |               |           |
| AI STUO, 33-03 LISTED, 05-64 627 WITH HERD-MATES | 1108              | 12,047           | 3.8       | 461       | 16              | 13,070           | 480       | 11,527        | 438       |
| STATES- 11,12,13,14,16,21,22,                    |                   |                  |           |           | DIFF.           | 1023-            | 19-       |               |           |
| 23,31,32,33,34,35,41,42,43,46,                   | 2                 | NON-AI DAUGHTERS |           |           |                 |                  |           |               |           |
| 47,48,50,51,52,57,61,73,82,84,                   | 2                 | WITH HERD-MATES  |           |           | 18              | 13,340           | 476       |               |           |
| 87,91,92   | 6                 | 11,240           | 3.9       | 435       | DIFF.           | 2100-            | 41-       |               |           |
|  | 6                 | 11,240           | 3.9       | 435       |                 |                  |           |               |           |
| 1264561 CLANYARD ROMULUS SARGENT.....            |                   |                  |           |           |                 |                  |           |               |           |
| 07-28-55 1237594 3469206 14 AI DAUGHTERS-06      | 20                | 10,973           | 3.6       | 392       |                 |                  |           |               |           |
| AI STUO, 71-01 LISTED, 08-63 14 WITH HERD-MATES  | 20                | 10,973           | 3.6       | 392       | 12              | 11,906           | 411       | 11,947        | 443       |
| STATES- 71                                       |                   |                  |           |           | DIFF.           | 933-             | 19-       |               |           |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN   | AV. RECDRDS<br>NUMBER | PRDDUTION<br>MILK<br>LB | DF<br>TEST<br>% | DAU.<br>FAT<br>LB | ADJ.<br>AV.<br>NUMBER | HERD-MATES<br>MILK<br>LB | AV.<br>FAT<br>LB | PREDICTED<br>MILK<br>LB | AV.<br>FAT<br>LB |
|--|-----------------------|-------------------------|-----------------|-------------------|-----------------------|--------------------------|------------------|-------------------------|------------------|
| 1264594 ARJAY MDWRY PRINCE.....                  |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 01-03-55 1111079 2672265 12 NDN-AI DAUGHTERS     | 16                    | 15,799                  | 3.6             | 566               |                       |                          |                  |                         |                  |
| LISTED, 11-63 12 WITH HERD-MATES                 | 16                    | 15,799                  | 3.6             | 566               |                       |                          |                  |                         |                  |
| STATES- 84                                       |                       |                         |                 |                   | 24                    | 13,456                   | 484              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 2343                     | 82               |                         |                  |
| 1264690 PIETJE SUNNY CREST DUNLDGGIN.....        |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 10-08-55 906000 3457491 9 NDN-AI DAUGHTERS       | 13                    | 13,972                  | 3.7             | 511               |                       |                          |                  |                         |                  |
| LISTED, 11-63 9 WITH HERD-MATES                  | 13                    | 13,972                  | 3.7             | 511               |                       |                          |                  |                         |                  |
| STATES- 43,74                                    |                       |                         |                 |                   | 14                    | 12,369                   | 444              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 1603                     | 67               |                         |                  |
| 1264742 RDSNI LETITIA N J HALE.....              |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 08-30-55 1062763 2802935 17 NON-AI DAUGHTERS     | 25                    | 12,012                  | 4.2             | 510               |                       |                          |                  |                         |                  |
| LISTED, 03-64 17 WITH HERD-MATES                 | 25                    | 12,012                  | 4.2             | 510               |                       |                          |                  |                         |                  |
| STATES- 52                                       |                       |                         |                 |                   | 14                    | 13,614                   | 551              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 1602-                    | 41-              |                         |                  |
| 1264911 SUNNYSIDE WIS BURKE.....                 |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 08-26-55 1192325 3093548 3 AI DAUGHTERS-03       |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| AI STUD, 87-01 LISTED, 05-64 3 WITH HERD-MATES   |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| STATES- 35,55,82,87                              |                       |                         |                 |                   |                       |                          |                  |                         |                  |
|  | 26                    | 14,975                  | 3.7             | 553               |                       |                          |                  |                         |                  |
|  | 26                    | 14,982                  | 3.7             | 553               |                       |                          |                  |                         |                  |
|  |                       |                         |                 |                   | 6                     | 13,887                   | 525              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 1095                     | 28               |                         |                  |
| 1264943 .....                                    |                       |                         |                 |                   |                       |                          |                  |                         |                  |
|  | 18                    | 12,817                  | 3.8             | 481               |                       |                          |                  |                         |                  |
| STATES- 55                                       | 18                    | 12,817                  | 3.8             | 481               |                       |                          |                  |                         |                  |
|  |                       |                         |                 |                   | 12                    | 12,130                   | 449              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 687                      | 32               |                         |                  |
| 1264999 CDDPERFIELD TOPSY JEWEL ALICE.....       |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 03-06-53 815143 3045336 33 NDN-AI DAUGHTERS      | 71                    | 10,348                  | 4.0             | 409               |                       |                          |                  |                         |                  |
| LISTED, 01-63 33 WITH HERD-MATES                 | 71                    | 10,348                  | 4.0             | 409               |                       |                          |                  |                         |                  |
| STATES- 22                                       |                       |                         |                 |                   | 21                    | 10,728                   | 406              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 380-                     | 3                |                         |                  |
| 1265001 .....                                    |                       |                         |                 |                   |                       |                          |                  |                         |                  |
|  | 5                     | 12,732                  | 3.4             | 434               |                       |                          |                  |                         |                  |
| STATES- 21                                       | 5                     | 12,732                  | 3.4             | 434               |                       |                          |                  |                         |                  |
|  |                       |                         |                 |                   | 16                    | 12,839                   | 458              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 107-                     | 24-              |                         |                  |
| 1265166 RDCK RIVER COUNT.....                    |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 11-25-55 1216567 2891773 44 NDN-AI DAUGHTERS     | 70                    | 13,042                  | 3.8             | 500               |                       |                          |                  |                         |                  |
| AI STUD, 35-02 LISTED, 05-64 43 WITH HERD-MATES  | 68                    | 13,134                  | 3.8             | 500               |                       |                          |                  |                         |                  |
| STATES- 11,21,23,31,33,35,42,<br>52,57,61,92     |                       |                         |                 |                   | 18                    | 13,392                   | 492              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 258-                     | 8                |                         |                  |
| 1265288 BECKHAVEN MILESTONE BECKER.....          |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 08-27-51 214469 4033781 106 AI DAUGHTERS-25*     | 125                   | 11,555                  | 3.9             | 449               |                       |                          |                  |                         |                  |
| AI STUD, 63-01 LISTED, 03-64 102 WITH HERD-MATES | 119                   | 11,527                  | 3.9             | 447               |                       |                          |                  |                         |                  |
| STATES- 63,64                                    |                       |                         |                 |                   | 20                    | 11,914                   | 446              | 12,077                  | 455              |
|  |                       |                         |                 |                   | DIFF.                 | 387-                     | 1                |                         |                  |
|  | 26                    | 13,110                  | 3.7             | 484               |                       |                          |                  |                         |                  |
|  | 13                    | 13,697                  | 3.5             | 473               |                       |                          |                  |                         |                  |
|  |                       |                         |                 |                   | 9                     | 13,652                   | 489              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 45                       | 16-              |                         |                  |
| 1265289 RDYAL HDPE BLUEBIRD.....                 |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 01-02-55 010212300 010628438 24 NDN-AI DAUGHTERS | 38                    | 12,783                  | 3.5             | 447               |                       |                          |                  |                         |                  |
| AI STUD, 65-02 LISTED, 05-64 24 WITH HERD-MATES  | 38                    | 12,783                  | 3.5             | 447               |                       |                          |                  |                         |                  |
| STATES- 64                                       |                       |                         |                 |                   | 12                    | 13,997                   | 474              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 1214-                    | 27-              |                         |                  |
| 1265350 .....                                    |                       |                         |                 |                   |                       |                          |                  |                         |                  |
|  | 7                     | 12,487                  | 3.4             | 423               |                       |                          |                  |                         |                  |
| STATES- 31                                       | 6                     | 12,602                  | 3.3             | 419               |                       |                          |                  |                         |                  |
|  |                       |                         |                 |                   | 3                     | 15,039                   | 532              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 2437-                    | 113-             |                         |                  |
| 1265469 BURKE B. F. ADMIRAL CHIEF.....           |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 04-26-55 1192875 2937893 26 NDN-AI DAUGHTERS     | 32                    | 12,439                  | 3.6             | 453               |                       |                          |                  |                         |                  |
| LISTED, 08-63 24 WITH HERD-MATES                 | 30                    | 12,206                  | 3.6             | 443               |                       |                          |                  |                         |                  |
| STATES- 21,32,57                                 |                       |                         |                 |                   | 28                    | 13,142                   | 462              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 936-                     | 19-              |                         |                  |
| 1265645 .....                                    |                       |                         |                 |                   |                       |                          |                  |                         |                  |
|  | 25                    | 15,774                  | 3.8             | 601               |                       |                          |                  |                         |                  |
| STATES- 92                                       | 25                    | 15,774                  | 3.8             | 601               |                       |                          |                  |                         |                  |
|  |                       |                         |                 |                   | 15                    | 15,195                   | 588              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 579                      | 13               |                         |                  |
| 1265694 GLENELG HDNEYMAN DDN.....                |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 02-23-55 1210938 3326003 8 AI DAUGHTERS-08       | 10                    | 16,389                  | 3.3             | 543               |                       |                          |                  |                         |                  |
| AI STUD, 41-25 LISTED, 05-64 8 WITH HERD-MATES   | 10                    | 16,389                  | 3.3             | 543               |                       |                          |                  |                         |                  |
| STATES- 33,42,43                                 |                       |                         |                 |                   | 8                     | 12,883                   | 459              | 13,890                  | 489              |
|  |                       |                         |                 |                   | DIFF.                 | 3506                     | 84               |                         |                  |
|  | 28                    | 15,025                  | 3.9             | 580               |                       |                          |                  |                         |                  |
|  | 28                    | 15,025                  | 3.9             | 580               |                       |                          |                  |                         |                  |
|  |                       |                         |                 |                   | 8                     | 14,249                   | 558              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 776                      | 22               |                         |                  |
| 1265695 PINEYHILL PRINCE LINCOLN.....            |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 02-02-55 1007680 3370617 20 NDN-AI DAUGHTERS     | 49                    | 13,055                  | 3.9             | 510               |                       |                          |                  |                         |                  |
| LISTED, 08-62 20 WITH HERD-MATES                 | 49                    | 13,055                  | 3.9             | 510               |                       |                          |                  |                         |                  |
| STATES- 14,33                                    |                       |                         |                 |                   | 19                    | 12,796                   | 501              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 259                      | 9                |                         |                  |
| 1265748 CARNATION STARLIGHT.....                 |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 06-27-55 1152252 3701770 8 NDN-AI DAUGHTERS      | 14                    | 13,304                  | 3.8             | 510               |                       |                          |                  |                         |                  |
| LISTED, 11-63 8 WITH HERD-MATES                  | 14                    | 13,304                  | 3.8             | 510               |                       |                          |                  |                         |                  |
| STATES- 91                                       |                       |                         |                 |                   | 10                    | 13,768                   | 512              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 464-                     | 2-               |                         |                  |
| 1265761 CARNATION PROFESSOR DIGNITY.....         |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 06-01-55 1054493 3483640 14 NDN-AI DAUGHTERS     | 20                    | 10,992                  | 3.6             | 393               |                       |                          |                  |                         |                  |
| LISTED, 11-63 14 WITH HERD-MATES                 | 20                    | 10,992                  | 3.6             | 393               |                       |                          |                  |                         |                  |
| STATES- 74                                       |                       |                         |                 |                   | 36                    | 12,365                   | 447              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 1373-                    | 54-              |                         |                  |
| 1265937 DAWNVALE ARA8 VICTOR.....                |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 08-23-55 1213698 2936306 38 NDN-AI DAUGHTERS     | 72                    | 15,024                  | 3.8             | 577               |                       |                          |                  |                         |                  |
| LISTED, 08-63 38 WITH HERD-MATES                 | 72                    | 15,024                  | 3.8             | 577               |                       |                          |                  |                         |                  |
| STATES- 21                                       |                       |                         |                 |                   | 12                    | 14,953                   | 544              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 71                       | 33               |                         |                  |
| 1266158 BELMONT CHIEFTAIN DEEN.....              |                       |                         |                 |                   |                       |                          |                  |                         |                  |
| 09-28-53 1132776 2928613 16 NDN-AI DAUGHTERS     | 31                    | 13,668                  | 3.6             | 490               |                       |                          |                  |                         |                  |
| LISTED, 08-63 16 WITH HERD-MATES                 | 31                    | 13,668                  | 3.6             | 490               |                       |                          |                  |                         |                  |
| STATES- 21                                       |                       |                         |                 |                   | 13                    | 13,205                   | 479              |                         |                  |
|  |                       |                         |                 |                   | DIFF.                 | 463                      | 11               |                         |                  |

| SIRES OF OHIA DAUGHTERS |                                     |                 |     | AV. PRODUCTION OF DAU. |      |        |     | ADJ. HERO-MATES AV. |        |     | PREOICTEO AV. |     |
|-------------------------|-------------------------------------|-----------------|-----|------------------------|------|--------|-----|---------------------|--------|-----|---------------|-----|
| HOLSTEIN                |                                     |                 |     | RECORDS                | MILK | TEST   | FAT | NUMBER              | MILK   | FAT | MILK          | FAT |
|                         |                                     |                 |     | NUMBER                 | L8   | %      | L8  |                     | L8     | L8  | L8            | L8  |
| 1266232                 | .....                               |                 |     |                        |      |        |     |                     |        |     |               |     |
| AI STUO, 72-01          | 8                                   | AI DAUGHTERS-06 | 11  | 11,686                 | 3.4  | 400    |     |                     |        |     |               |     |
| STATES- 72              | 8                                   | WITH HERD-MATES | 11  | 11,686                 | 3.4  | 400    |     | 32                  | 10,276 | 356 | 12,947        | 469 |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 1410   | 44  |               |     |
| 1266262                 | MAVIEW SIONNEY R. PILOT.....        |                 |     |                        |      |        |     |                     |        |     |               |     |
| II-05-55                | 1192097                             | 2852032         | 16  | NON-AI DAUGHTERS       | 29   | 10,292 | 3.8 | 392                 |        |     |               |     |
|                         | LISTEO, 08-62                       |                 | 16  | WITH HERD-MATES        | 29   | 10,292 | 3.8 | 392                 |        |     |               |     |
| STATES- 33,42,43        |                                     |                 |     |                        |      |        |     | 7                   | 11,977 | 450 |               |     |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 1685-  | 58- |               |     |
| 1266281                 | MICHOME WALKER AAGIE LAO.....       |                 |     |                        |      |        |     |                     |        |     |               |     |
| 10-02-55                | 1072416                             | 3141267         | 8   | NON-AI DAUGHTERS       | 15   | 11,231 | 3.6 | 408                 |        |     |               |     |
|                         | LISTEO, 08-63                       |                 | 8   | WITH HERD-MATES        | 15   | 11,231 | 3.6 | 408                 |        |     |               |     |
| STATES- 34              |                                     |                 |     |                        |      |        |     | 8                   | 12,034 | 416 |               |     |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 803-   | 8-  |               |     |
| 1266284                 | COLOSTREAM LEADER.....              |                 |     |                        |      |        |     |                     |        |     |               |     |
| 06-02-55                | 915940                              | 2577407         | 8   | NON-AI DAUGHTERS       | 10   | 10,779 | 3.7 | 402                 |        |     |               |     |
|                         | LISTEO, 11-63                       |                 | 8   | WITH HERD-MATES        | 10   | 10,779 | 3.7 | 402                 |        |     |               |     |
| STATES- 23,35,57        |                                     |                 |     |                        |      |        |     | 28                  | 13,385 | 483 |               |     |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 2606-  | 81- |               |     |
| 1266287                 | GARONER SIR COMET BESSIE.....       |                 |     |                        |      |        |     |                     |        |     |               |     |
| I2-02-55                | 1140558                             | 2561568         | 5   | NON-AI DAUGHTERS       | 7    | 15,043 | 3.2 | 486                 |        |     |               |     |
|                         | LISTEO, 05-64                       |                 | 5   | WITH HERD-MATES        | 6    | 15,267 | 3.2 | 493                 |        |     |               |     |
| STATES- 12              |                                     |                 |     |                        |      |        |     | 7                   | 13,538 | 501 |               |     |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 1729   | 8-  |               |     |
| 1266398                 | INOIANA VISCOUNT MASTER.....        |                 |     |                        |      |        |     |                     |        |     |               |     |
| 09-09-54                | 823055                              | 2549071         | 37  | NON-AI DAUGHTERS       | 45   | 11,837 | 3.5 | 418                 |        |     |               |     |
|                         | LISTEO, 03-64                       |                 | 37  | WITH HERD-MATES        | 45   | 11,837 | 3.5 | 418                 |        |     |               |     |
| STATES- 32              |                                     |                 |     |                        |      |        |     | 55                  | 13,054 | 461 |               |     |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 1217-  | 43- |               |     |
| 1266459                 | ELM-BECCA LUCINE COLANTHA.....      |                 |     |                        |      |        |     |                     |        |     |               |     |
| 11-09-55                | 1222397                             | 3232614         | 16  | NON-AI DAUGHTERS       | 30   | 12,970 | 3.7 | 478                 |        |     |               |     |
|                         | LISTEO, 08-62                       |                 | 16  | WITH HERD-MATES        | 30   | 12,970 | 3.7 | 478                 |        |     |               |     |
| STATES- 23              |                                     |                 |     |                        |      |        |     | 26                  | 13,524 | 522 |               |     |
|                         |                                     |                 |     |                        |      |        |     | DIFF.               | 554-   | 44- |               |     |
| 1266508                 | COLO SPRING IOEAL RUSTIC.....       |                 |     |                        |      |        |     |                     |        |     |               |     |
| 07-16-55                | 1068871                             | 3017230         | 11  | NON-AI DAUGHTERS       | 11   | 15,855 | 3.5 | 558                 |        |     |               |     |
|                         | LISTEO, 03-64                       |                 | 11  | WITH HERD-MATES        | 11   | 15,855 | 3.5 | 558                 |        |     |               |     |
| STATES- 35              |                                     |                 |     |                        |      |        |     | 24                  | 13,384 | 486 |               |     |
|                         |                                     |                 |     |                        |      |        |     | DIFF.               | 2471   | 72  |               |     |
| 1266592                 | SHAOOW VALLEY CANOIOATE.....        |                 |     |                        |      |        |     |                     |        |     |               |     |
| 08-04-55                | 1237956                             | 2975425         | 22  | NON-AI DAUGHTERS       | 48   | 13,645 | 3.6 | 498                 |        |     |               |     |
|                         | LISTEO, 08-63                       |                 | 22  | WITH HERD-MATES        | 48   | 13,645 | 3.6 | 498                 |        |     |               |     |
| STATES- 84              |                                     |                 |     |                        |      |        |     | 13                  | 12,512 | 447 |               |     |
|                         |                                     |                 |     |                        |      |        |     | DIFF.               | 1133   | 51  |               |     |
| 1266740                 | TUM-A-LUM SOVEREIGN KING.....       |                 |     |                        |      |        |     |                     |        |     |               |     |
| 02-25-55                | 1007680                             | 2909911         | 7   | NON-AI DAUGHTERS       | 10   | 10,281 | 3.6 | 371                 |        |     |               |     |
|                         | LISTEO, 05-64                       |                 | 6   | WITH HERD-MATES        | 9    | 9,989  | 3.7 | 371                 |        |     |               |     |
| STATES- 21              |                                     |                 |     |                        |      |        |     | 110                 | 11,397 | 407 |               |     |
|                         |                                     |                 |     |                        |      |        |     | DIFF.               | 1408-  | 36- |               |     |
| 1266826                 | SHUR-POLL HALL ROSE MAIO LAO P..... |                 |     |                        |      |        |     |                     |        |     |               |     |
| 09-23-54                | 1194907                             | 2423489         | 33  | NON-AI DAUGHTERS       | 46   | 13,190 | 3.7 | 486                 |        |     |               |     |
| STATES- 41,51           |                                     |                 | 31  | WITH HERD-MATES        | 44   | 13,320 | 3.7 | 490                 |        |     |               |     |
|                         |                                     |                 |     |                        |      |        |     | 11                  | 12,745 | 474 |               |     |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 575    | 16  |               |     |
| 1266850                 | SHAW FERN TIOY OAUNTLESS.....       |                 |     |                        |      |        |     |                     |        |     |               |     |
| 10-09-55                | 1011980                             | 2852097         | 11  | NON-AI DAUGHTERS       | 11   | 13,042 | 3.9 | 511                 |        |     |               |     |
|                         | LISTEO, 03-64                       |                 | 11  | WITH HERD-MATES        | 11   | 13,042 | 3.9 | 511                 |        |     |               |     |
| STATES- 11,15           |                                     |                 |     |                        |      |        |     | 37                  | 13,302 | 513 |               |     |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 260-   | 2-  |               |     |
| 1266861                 | .....                               |                 |     |                        |      |        |     |                     |        |     |               |     |
|                         |                                     |                 | 11  | NON-AI DAUGHTERS       | 13   | 13,766 | 3.4 | 464                 |        |     |               |     |
| STATES- 34              |                                     |                 | 11  | WITH HERD-MATES        | 13   | 13,766 | 3.4 | 464                 |        |     |               |     |
|                         |                                     |                 |     |                        |      |        |     | 4                   | 13,874 | 468 |               |     |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 108-   | 4-  |               |     |
| 1266909                 | TREE HILL WOODSMAN.....             |                 |     |                        |      |        |     |                     |        |     |               |     |
| 07-20-55                | 1192493                             | 3149116         | 9   | NON-AI DAUGHTERS       | 9    | 13,713 | 3.6 | 493                 |        |     |               |     |
|                         | LISTEO, 05-64                       |                 | 9   | WITH HERD-MATES        | 9    | 13,713 | 3.6 | 493                 |        |     |               |     |
| STATES- 52              |                                     |                 |     |                        |      |        |     | 7                   | 12,438 | 463 |               |     |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 1275   | 30  |               |     |
| 1266978                 | CLYOE HILL ORMS8Y M MISTRESS.....   |                 |     |                        |      |        |     |                     |        |     |               |     |
| 11-11-55                | 1202702                             | 2786619         | 142 | AI DAUGHTERS-25*       | 230  | 12,582 | 3.5 | 443                 |        |     |               |     |
| AI STUO, 23-05          | LISTEO, 05-64                       |                 | 142 | WITH HERD-MATES        | 228  | 12,576 | 3.5 | 443                 |        |     |               |     |
| STATES- 23              |                                     |                 |     |                        |      |        |     | 12                  | 13,093 | 495 | 12,052        | 411 |
|                         |                                     |                 |     |                        |      |        |     | DIFF.               | 517-   | 52- |               |     |
| 1266979                 | CLYOE HILL MARA 8RIOE.....          |                 |     |                        |      |        |     |                     |        |     |               |     |
| 11-29-55                | 1185924                             | 3263749         | 29  | AI DAUGHTERS-14        | 43   | 13,126 | 3.7 | 489                 |        |     |               |     |
| AI STUO, 32-02          | LISTEO, 08-63                       |                 | 29  | WITH HERD-MATES        | 43   | 13,126 | 3.7 | 489                 |        |     |               |     |
| STATES- 32,34,86        |                                     |                 |     |                        |      |        |     | 19                  | 13,790 | 515 | 12,099        | 441 |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 664-   | 26- |               |     |
| 1267250                 | LOS ROBLES EMPEROR LAO.....         |                 |     |                        |      |        |     |                     |        |     |               |     |
| 09-28-55                | 1057293                             | 2695422         | 34  | AI DAUGHTERS-03        | 53   | 16,098 | 3.3 | 535                 |        |     |               |     |
| AI STUO, 93-03          | LISTEO, 05-64                       |                 | 34  | WITH HERD-MATES        | 53   | 16,098 | 3.3 | 535                 |        |     |               |     |
| STATES- 87,91,93        |                                     |                 |     |                        |      |        |     | 142                 | 14,889 | 540 | 13,530        | 457 |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 1209   | 5-  |               |     |
|                         |                                     |                 | 3   | NON-AI DAUGHTERS       | 8    | 16,438 | 3.7 | 616                 |        |     |               |     |
|                         |                                     |                 | 3   | WITH HERD-MATES        | 6    | 16,359 | 3.7 | 611                 |        |     |               |     |
|                         |                                     |                 |     |                        |      |        |     | 53                  | 14,890 | 532 |               |     |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 1469   | 79  |               |     |
| 1267271                 | SKOKIE SENSATION.....               |                 |     |                        |      |        |     |                     |        |     |               |     |
| 07-07-55                | 1113263                             | 2314452         | 6   | NON-AI DAUGHTERS       | 9    | 11,406 | 3.7 | 419                 |        |     |               |     |
| AI STUO, 34-01          | LISTEO, 05-64                       |                 | 4   | WITH HERD-MATES        | 7    | 11,705 | 3.6 | 421                 |        |     |               |     |
| STATES- 34,35           |                                     |                 |     |                        |      |        |     | 12                  | 12,719 | 457 |               |     |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 1014-  | 36- |               |     |
| 1267310                 | ZELOENRUST MASTER BLENO.....        |                 |     |                        |      |        |     |                     |        |     |               |     |
| 03-27-55                | 1231051                             | 2913012         | 15  | NON-AI DAUGHTERS       | 18   | 12,175 | 3.8 | 466                 |        |     |               |     |
|                         | LISTEO, 11-63                       |                 | 15  | WITH HERD-MATES        | 18   | 12,175 | 3.8 | 466                 |        |     |               |     |
| STATES- 32,33,34,51,52  |                                     |                 |     |                        |      |        |     | 25                  | 13,152 | 497 |               |     |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 977-   | 31- |               |     |
| 1267542                 | WIS TOP FLIGHT ACE.....             |                 |     |                        |      |        |     |                     |        |     |               |     |
| 11-06-55                | 1221439                             | 2980157         | 21  | NON-AI DAUGHTERS       | 37   | 14,044 | 3.4 | 484                 |        |     |               |     |
|                         | LISTEO, 08-63                       |                 | 21  | WITH HERD-MATES        | 37   | 14,044 | 3.4 | 484                 |        |     |               |     |
| STATES- 33,35           |                                     |                 |     |                        |      |        |     | 13                  | 12,517 | 452 |               |     |
|                         |                                     |                 |     |                        |      |        |     | OIFF.               | 1527   | 32  |               |     |



| SIREs OF DHIA DAUGHTERS                          |         |        |      | AV. PRODUCTION OF | ADJ. HERD-MATES | AV. PREDICTED | AV.       |
|--|---------|--------|------|-------------------|-----------------|---------------|-----------|
| HOLSTEIN   | RECORDS | MILK   | TEST | OUA.              | AV. MILK        | FAT           | PREDICTED |
|  | NUMBER  | LB     | %    | FAT               | NUMBER          | LB            | AV. MILK  |
| 1267546 WIS BURKE DYNAMO LAD.....                |         |        |      |                   |                 |               |           |
| 12-24-55 1192327 3564262 22 NDN-AI DAUGHTERS     | 34      | 12,825 | 3.7  | 473               |                 |               |           |
| LISTED, 08-63 22 WITH HERD-MATES                 | 33      | 12,763 | 3.7  | 470               | 14              | 12,664        | 469       |
| STATES- 34                                       |         |        |      |                   | DIFF.           | 99            | 1         |
| 1267587 JOEMAX C C WDDDMASTER.....               |         |        |      |                   |                 |               |           |
| 08-31-53 1092773 2913596 11 NDN-AI DAUGHTERS     | 32      | 12,192 | 3.6  | 441               |                 |               |           |
| STATES- 23 11 WITH HERD-MATES                    | 32      | 12,192 | 3.6  | 441               | 9               | 12,391        | 454       |
|  |         |        |      |                   | DIFF.           | 199-          | 13-       |
| 1267715 SIOUXLAND ANTHONY L. MONARCH -TWIN-..... |         |        |      |                   |                 |               |           |
| 12-10-55 1122159 3298711 20 NDN-AI DAUGHTERS     | 39      | 12,568 | 3.6  | 454               |                 |               |           |
| LISTED, 01-63 20 WITH HERD-MATES                 | 38      | 12,600 | 3.6  | 455               | 11              | 13,136        | 492       |
| STATES- 41,45                                    |         |        |      |                   | DIFF.           | 536-          | 37-       |
| 1267730 ELRDC CDMET.....                         |         |        |      |                   |                 |               |           |
| 11-26-55 1041842 3991222 12 NDN-AI DAUGHTERS     | 22      | 12,486 | 4.2  | 526               |                 |               |           |
| LISTED, 01-63 12 WITH HERD-MATES                 | 22      | 12,486 | 4.2  | 526               | 22              | 12,539        | 494       |
| STATES- 23                                       |         |        |      |                   | DIFF.           | 53-           | 32        |
| 1267764 ORMSBY DOUBLE F8ES.....                  |         |        |      |                   |                 |               |           |
| 05-19-55 1210078 3063947 9 AI DAUGHTERS-08       | 9       | 11,420 | 3.7  | 418               |                 |               |           |
| AI STUD, 35-02 LISTED, 05-64 8 WITH HERD-MATES   | 8       | 11,358 | 3.6  | 410               | 6               | 12,482        | 446       |
| STATES- 35                                       |         |        |      |                   | OIFF.           | 1124-         | 36-       |
|  | 17      | 13,932 | 3.7  | 509               |                 |               |           |
|  | 17      | 13,932 | 3.7  | 509               | 8               | 14,988        | 529       |
|  |         |        |      |                   | DIFF.           | 1056-         | 20-       |
| 1267787 LAKEFIELD CRESTON CARNATION.....         |         |        |      |                   |                 |               |           |
| 01-16-56 1034947 3302323 11 NDN-AI DAUGHTERS     | 12      | 14,639 | 3.6  | 521               |                 |               |           |
| LISTED, 11-63 11 WITH HERD-MATES                 | 12      | 14,639 | 3.6  | 521               | 11              | 14,371        | 507       |
| STATES- 31                                       |         |        |      |                   | OIFF.           | 268           | 14        |
| 1267802 .....                                    |         |        |      |                   |                 |               |           |
|  | 12      | 9,972  | 3.7  | 371               |                 |               |           |
| STATES- 13 12 WITH HERD-MATES                    | 21      | 9,972  | 3.7  | 371               | 11              | 11,662        | 426       |
|  |         |        |      |                   | DIFF.           | 1690-         | 55-       |
| 1267866 .....                                    |         |        |      |                   |                 |               |           |
|  | 5       | 10,538 | 3.8  | 402               |                 |               |           |
| STATES- 41 4 WITH HERD-MATES                     | 5       | 9,480  | 4.0  | 375               | 2               | 10,961        | 410       |
|  |         |        |      |                   | DIFF.           | 1481-         | 35-       |
| 1267874 HICKORYVALE S. C. PRIDE.....             |         |        |      |                   |                 |               |           |
| 10-27-55 1007680 2821789 119 AI DAUGHTERS-25*    | 122     | 11,844 | 3.6  | 427               |                 |               |           |
| AI STUD, 51-02 LISTED, 05-64 115 WITH HERD-MATES | 117     | 11,900 | 3.6  | 429               | 15              | 12,570        | 471       |
| STATES- 23,31,51,52,54,55                        |         |        |      |                   | OIFF.           | 670-          | 42-       |
|  | 33      | 13,052 | 3.7  | 479               |                 |               |           |
|  | 32      | 13,040 | 3.7  | 482               | 15              | 12,884        | 480       |
|  |         |        |      |                   | DIFF.           | 156           | 2         |
| 1268001 RAY-LDU SOVEREIGN BRIDGER.....           |         |        |      |                   |                 |               |           |
| 03-21-55 1079321 2531822 27 NDN-AI DAUGHTERS     | 71      | 14,886 | 3.6  | 537               |                 |               |           |
| AI STUD, 61-01 LISTED, 05-64 27 WITH HERD-MATES  | 71      | 14,886 | 3.6  | 537               | 28              | 15,196        | 551       |
| STATES- 21,23                                    |         |        |      |                   | OIFF.           | 310-          | 14-       |
| 1268010 FRIESEN D. M. RIGA MODEL.....            |         |        |      |                   |                 |               |           |
| 07-29-55 1183077 3287228 15 NDN-AI DAUGHTERS     | 23      | 16,140 | 3.7  | 592               |                 |               |           |
| STATES- 46 15 WITH HERD-MATES                    | 23      | 16,140 | 3.7  | 592               | 5               | 14,451        | 547       |
|  |         |        |      |                   | DIFF.           | 1689          | 45        |
| 1268056 SILVIS FARM DEEN LEADER.....             |         |        |      |                   |                 |               |           |
| 10-27-55 915940 2841656 21 NDN-AI DAUGHTERS      | 26      | 11,539 | 3.7  | 422               |                 |               |           |
| LISTED, 03-64 21 WITH HERD-MATES                 | 26      | 11,539 | 3.7  | 422               | 11              | 12,067        | 418       |
| STATES- 23                                       |         |        |      |                   | OIFF.           | 528-          | 4         |
| 1268087 S. V. F. SOVEREIGN DUPLICATOR.....       |         |        |      |                   |                 |               |           |
| 10-28-55 1007680 3043874 143 AI DAUGHTERS-25*    | 197     | 13,602 | 3.7  | 507               |                 |               |           |
| AI STUD, 22-03 LISTED, 05-64 142 WITH HERD-MATES | 196     | 13,605 | 3.7  | 507               | 37              | 13,114        | 485       |
| STATES- 21,22,50                                 |         |        |      |                   | DIFF.           | 491           | 22        |
|  | 7       | 11,881 | 4.0  | 470               |                 |               |           |
|  | 7       | 11,881 | 4.0  | 470               | 9               | 12,720        | 457       |
|  |         |        |      |                   | DIFF.           | 839-          | 13        |
| 1268164 KAHL TRIUNE LEADER.....                  |         |        |      |                   |                 |               |           |
| 01-02-56 915940 2976376 27 NDN-AI DAUGHTERS      | 60      | 13,508 | 3.7  | 496               |                 |               |           |
| AI STUD, 51-02 LISTED, 05-64 27 WITH HERD-MATES  | 60      | 13,508 | 3.7  | 496               | 17              | 13,613        | 492       |
| STATES- 35,42,72                                 |         |        |      |                   | DIFF.           | 105-          | 4         |
| 1268290 VALLA VISTA MORRIS TRIUNE.....           |         |        |      |                   |                 |               |           |
| 11-30-55 886182 3693547 16 AI DAUGHTERS-14       | 16      | 12,630 | 3.8  | 486               |                 |               |           |
| AI STUD, 48-01 LISTED, 05-64 15 WITH HERD-MATES  | 15      | 13,095 | 3.8  | 502               | 17              | 13,250        | 480       |
| STATES- 47,48,63                                 |         |        |      |                   | OIFF.           | 155-          | 22        |
|  | 31      | 12,489 | 3.9  | 492               |                 |               |           |
|  | 31      | 12,489 | 3.9  | 492               | 19              | 14,346        | 527       |
|  |         |        |      |                   | DIFF.           | 1857-         | 35-       |
| 1268294 UNH SCHOOLMASTER ECHO.....               |         |        |      |                   |                 |               |           |
| 11-08-55 1181068 3768479 19 NDN-AI DAUGHTERS     | 31      | 15,971 | 3.8  | 601               |                 |               |           |
| AI STUD, 33-03 LISTED, 05-64 19 WITH HERD-MATES  | 29      | 15,993 | 3.8  | 602               | 13              | 15,152        | 577       |
| STATES- 12,13                                    |         |        |      |                   | DIFF.           | 841           | 25        |
| 1268531 CRESCENT BEAUTY TALDGA.....              |         |        |      |                   |                 |               |           |
| 10-02-55 1213710 2631276 8 NDN-AI DAUGHTERS      | 9       | 12,117 | 3.6  | 434               |                 |               |           |
| LISTED, 11-63 7 WITH HERD-MATES                  | 8       | 11,926 | 3.6  | 425               | 15              | 10,851        | 389       |
| STATES- 33,48,73,74                              |         |        |      |                   | DIFF.           | 1075          | 36        |
| 1268640 AMPYR PLEASANT-VUE IDEAL SAM.....        |         |        |      |                   |                 |               |           |
| 01-02-56 1013415 3173373 15 NDN-AI DAUGHTERS     | 22      | 15,667 | 3.4  | 540               |                 |               |           |
| LISTED, 03-64 15 WITH HERD-MATES                 | 22      | 15,667 | 3.4  | 540               | 14              | 13,963        | 514       |
| STATES- 31                                       |         |        |      |                   | OIFF.           | 1704          | 26        |
| 1268689 UNH MASTER ECHO.....                     |         |        |      |                   |                 |               |           |
| 10-31-55 1181068 3227192 7 AI DAUGHTERS-06       | 7       | 12,850 | 3.7  | 479               |                 |               |           |
| AI STUD, 33-03 LISTED, 05-64 7 WITH HERD-MATES   | 7       | 12,850 | 3.7  | 479               | 10              | 12,498        | 461       |
| STATES- 11,14,15,23,33,35,45                     |         |        |      |                   | DIFF.           | 352           | 18        |
|  | 47      | 13,278 | 3.9  | 524               |                 |               |           |
|  | 47      | 13,278 | 3.9  | 524               | 24              | 13,776        | 534       |
|  |         |        |      |                   | OIFF.           | 498-          | 10-       |

### SIRES OF DHIA DAUGHTERS

| Sires of Chica Cassemer                           |         |         |     |                  | AV. RECORDS | PRODUCTION OF DAU. |        |        | ADJ. AV. | HERD-MATES | AV.    | PREDICTED AV. |        |
|---|---------|---------|-----|------------------|-------------|--------------------|--------|--------|----------|------------|--------|---------------|--------|
| HOLSTEIN  |         |         |     |                  | NUMBER      | MILK L8            | TEST % | FAT LB | NUMBER   | MILK L8    | FAT L8 | MILK L8       | FAT L8 |
| 1268772 OLIRLICH ADMIRAL ACE.....                 |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 10-10-55  | 1174444 | 3297946 | 22  | NON-AI DAUGHTERS | 22          | 11,791             | 4.0    | 467    |          |            |        |               |        |
| LISTED, 03-64                                     |         |         |     |                  | 20          | 11,978             | 4.0    | 478    | 16       | 11,709     | 416    |               |        |
| STATES- 35  |         |         |     |                  |             |                    |        |        | DIFF.    | 269        | 62     |               |        |
| 1268802 HAWTHORN KING WAYNE LEADER.....           |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 07-06-55  | 1136846 | 3396628 | 25  | NON-AI DAUGHTERS | 38          | 13,247             | 3.5    | 468    |          |            |        |               |        |
| AI STUO, 41-01 LISTED, 05-64                      |         |         |     |                  | 38          | 13,247             | 3.5    | 468    | 18       | 12,468     | 465    |               |        |
| STATES- 21,35,41                                  |         |         |     |                  |             |                    |        |        | DIFF.    | 779        | 3      |               |        |
| 1268978 .....                                     |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
|   |         |         |     |                  | 8           | 14,028             | 3.6    | 504    |          |            |        |               |        |
| STATES- 35  |         |         |     |                  | 5           | 14,084             | 3.6    | 505    | 3        | 13,676     | 488    |               |        |
|   |         |         |     |                  |             |                    |        |        | DIFF.    | 408        | 17     |               |        |
| 1269042 CARNATION FLASHY COUNT POSCH.....         |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 09-14-55  | 1178223 | 2784237 | 333 | AI DAUGHTERS-25* | 618         | 13,330             | 3.5    | 469    |          |            |        |               |        |
| AI STUO, 35-03 LISTED, 05-64                      |         |         |     |                  | 588         | 13,357             | 3.5    | 471    | 15       | 13,066     | 474    | 12,807        | 454    |
| STATES- 16,22,23,31,33,34,35,42,43,61,63,72,74,87 |         |         |     |                  |             |                    |        |        | DIFF.    | 291        | 3-     |               |        |
| 1269047 CARNATION ROYAL LANCER.....               |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 09-01-55  | 1152252 | 3263400 | 57  | NON-AI DAUGHTERS | 109         | 13,612             | 3.5    | 474    |          |            |        |               |        |
| LISTED, 08-63                                     |         |         |     |                  | 108         | 13,683             | 3.5    | 476    | 13       | 14,037     | 484    |               |        |
| STATES- 35,47,52,82,87,91                         |         |         |     |                  |             |                    |        |        | DIFF.    | 354-       | 8-     |               |        |
| 1269172 PAGANOK PAYMASTER.....                    |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 01-03-56  | 1223700 | 3324439 | 26  | NON-AI DAUGHTERS | 36          | 13,289             | 3.8    | 501    |          |            |        |               |        |
| STATES- 33,43,48,84                               |         |         |     |                  | 26          | 13,289             | 3.8    | 501    | 13       | 12,447     | 454    |               |        |
|   |         |         |     |                  |             |                    |        |        | DIFF.    | 842        | 47     |               |        |
| 1269225 BURG SKYLARK VEEMAN ROMEO.....            |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 18-13-55  | 1097647 | 3573890 | 27  | NON-AI DAUGHTERS | 53          | 12,556             | 3.5    | 441    |          |            |        |               |        |
| STATES- 42  |         |         |     |                  | 27          | 12,556             | 3.5    | 441    | 19       | 11,791     | 430    |               |        |
|   |         |         |     |                  |             |                    |        |        | DIFF.    | 765        | 11     |               |        |
| 1269329 .....                                     |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
|   |         |         |     |                  | 10          | 15,942             | 3.6    | 574    |          |            |        |               |        |
| STATES- 93  |         |         |     |                  | 10          | 15,942             | 3.6    | 574    | 37       | 15,142     | 526    |               |        |
|   |         |         |     |                  |             |                    |        |        | DIFF.    | 800        | 48     |               |        |
| 1269391 RYANCREST GOLDEN REWARD.....              |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 12-05-55  | 1151349 | 2330519 | 34  | NON-AI DAUGHTERS | 56          | 15,170             | 3.9    | 594    |          |            |        |               |        |
| AI STUO, 51-02 LISTED, 05-64                      |         |         |     |                  | 56          | 15,170             | 3.9    | 594    | 21       | 15,159     | 592    |               |        |
| STATES- 16,21,22,23,35,50,51,52                   |         |         |     |                  |             |                    |        |        | DIFF.    | 11         | 2      |               |        |
| 1269459 SKOKIE GOLOEN LEADER.....                 |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 09-07-55  | 1079736 | 2724579 | 39  | NON-AI DAUGHTERS | 70          | 14,510             | 3.7    | 538    |          |            |        |               |        |
| AI STUO, 35-02 LISTED, 05-64                      |         |         |     |                  | 70          | 14,510             | 3.7    | 538    | 11       | 14,477     | 507    |               |        |
| STATES- 48,73                                     |         |         |     |                  |             |                    |        |        | DIFF.    | 33         | 31     |               |        |
| 1269479 ROCK RIVER MASTER GEWINA.....             |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 01-23-56  | 1216567 | 3160755 | 150 | AI DAUGHTERS-25* | 274         | 12,871             | 3.9    | 498    |          |            |        |               |        |
| AI STUO, 35-02 LISTED, 05-64                      |         |         |     |                  | 271         | 12,883             | 3.9    | 499    | 15       | 12,872     | 469    | 12,518        | 484    |
| STATES- 23,33,34,35,48                            |         |         |     |                  |             |                    |        |        | DIFF.    | 11         | 30     |               |        |
| 1269554 .....                                     |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
|   |         |         |     |                  | 5           | 12,036             | 3.7    | 446    |          |            |        |               |        |
| STATES- 32  |         |         |     |                  | 5           | 12,036             | 3.7    | 446    | 28       | 12,762     | 429    |               |        |
|   |         |         |     |                  |             |                    |        |        | DIFF.    | 726-       | 17     |               |        |
| 1269558 ZELOENRUST DUKE.....                      |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 01-18-56  | 1231051 | 3699465 | 21  | NON-AI DAUGHTERS | 26          | 15,329             | 3.7    | 574    |          |            |        |               |        |
| LISTED, 11-63                                     |         |         |     |                  | 24          | 15,321             | 3.7    | 573    | 25       | 14,323     | 528    |               |        |
| STATES- 23,31,51,52,55                            |         |         |     |                  |             |                    |        |        | DIFF.    | 998        | 45     |               |        |
| 1269588 JEWETTHOLM REGAL.....                     |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 01-21-56  | 1097737 | 2692700 | 9   | NON-AI DAUGHTERS | 10          | 11,409             | 3.5    | 398    |          |            |        |               |        |
| LISTED, 11-63                                     |         |         |     |                  | 10          | 11,409             | 3.5    | 398    | 10       | 11,605     | 429    |               |        |
| STATES- 55  |         |         |     |                  |             |                    |        |        | DIFF.    | 196-       | 31-    |               |        |
| 1269609 FRIEDEL STANDOUT BOOSTER.....             |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 03-12-55  | 1118038 | 2370594 | 40  | NON-AI DAUGHTERS | 85          | 14,217             | 3.8    | 534    |          |            |        |               |        |
| AI STUO, 51-02                                    |         |         |     |                  | 84          | 14,132             | 3.8    | 532    | 27       | 13,973     | 523    |               |        |
| STATES- 52,55                                     |         |         |     |                  |             |                    |        |        | DIFF.    | 159        | 9      |               |        |
| 1269665 MAVIEW STAR FERN SIDE.....                |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 01-15-56  | 1141276 | 3151225 | 26  | NON-AI DAUGHTERS | 45          | 16,242             | 3.8    | 616    |          |            |        |               |        |
| LISTED, 08-63                                     |         |         |     |                  | 44          | 16,222             | 3.8    | 614    | 13       | 14,278     | 545    |               |        |
| STATES- 11,12,13,14,15,16                         |         |         |     |                  |             |                    |        |        | DIFF.    | 1944       | 69     |               |        |
| 1269788 SALO SEGIS HOMESTEAD LAD.....             |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 10-20-55  | 1222816 | 2698085 | 12  | NON-AI DAUGHTERS | 17          | 12,678             | 3.6    | 462    |          |            |        |               |        |
| LISTED, 08-63                                     |         |         |     |                  | 17          | 12,678             | 3.6    | 462    | 16       | 12,226     | 449    |               |        |
| STATES- 33  |         |         |     |                  |             |                    |        |        | DIFF.    | 452        | 13     |               |        |
| 1269968 BUTTERNUT CREEK DEAN ADAM.....            |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 01-12-56  | 846425  | 3346109 | 64  | AI DAUGHTERS-25* | 99          | 14,150             | 3.6    | 512    |          |            |        |               |        |
| AI STUO, 21-01 LISTED, 05-64                      |         |         |     |                  | 98          | 14,045             | 3.6    | 509    | 25       | 13,466     | 487    | 13,041        | 476    |
| STATES- 13,21,23                                  |         |         |     |                  |             |                    |        |        | DIFF.    | 579        | 22     |               |        |
| 1269986 .....                                     |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
|   |         |         |     |                  | 8           | 11,989             | 3.4    | 413    |          |            |        |               |        |
| STATES- 35  |         |         |     |                  | 8           | 11,989             | 3.4    | 413    | 11       | 13,686     | 493    |               |        |
|   |         |         |     |                  |             |                    |        |        | DIFF.    | 1697-      | 80-    |               |        |
| 1270079 BRADSON DUKE CRESTON GRAND.....           |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 01-04-56  | 906000  | 2872565 | 9   | NON-AI DAUGHTERS | 19          | 13,261             | 3.5    | 468    |          |            |        |               |        |
| LISTED, 08-62                                     |         |         |     |                  | 18          | 13,174             | 3.5    | 464    | 9        | 13,036     | 466    |               |        |
| STATES- 21  |         |         |     |                  |             |                    |        |        | DIFF.    | 138        | 2-     |               |        |
| 1270092 OAKTON GABLE PRINCE.....                  |         |         |     |                  |             |                    |        |        |          |            |        |               |        |
| 11-27-54  | 1209503 | 3452400 | 23  | NON-AI DAUGHTERS | 37          | 13,136             | 3.7    | 488    |          |            |        |               |        |
| LISTED, 08-63                                     |         |         |     |                  | 37          | 13,136             | 3.7    | 488    | 9        | 13,148     | 474    |               |        |
| STATES- 31  |         |         |     |                  |             |                    |        |        | DIFF.    | 12-        | 14     |               |        |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                                     |               |           |     |                  | AV. RECORDS | PRODUCTION MILK LB | OF TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERO-MATES FAT LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|--|---------------|-----------|-----|------------------|-------------|--------------------|-----------|-------------|------------------|-------------------|------------|-------------------|------------|
| 1270097 WESTVIEW N O B S REDSTONE.....       |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 02-11-55                                     | 976709        | 3046158   | 10  | NON-AI DAUGHTERS | 20          | 14,098             | 3.7       | 524         |                  |                   |            |                   |            |
|  | LISTED, 01-63 |           | 9   | WITH HERD-MATES  | 17          | 13,784             | 3.7       | 510         | 4                | 12,879            | 479        |                   |            |
| STATES- 11                                   |               |           |     |                  |             |                    |           |             | DIFF.            | 905               | 31         |                   |            |
| 1270143 PENSTATE MARSKMAN REFLECTION.....    |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 11-01-55                                     | 010198998     | 2569786   | 340 | AI DAUGHTERS-25* | 371         | 13,361             | 3.8       | 512         |                  |                   |            |                   |            |
| AI STUO, 23-08                               | LISTED, 05-64 |           | 336 | WITH HERD-MATES  | 364         | 13,394             | 3.8       | 513         | 15               | 13,494            | 513        | 12,473            | 461        |
| STATES- 23,31,50,51                          |               |           |     |                  |             |                    |           |             | DIFF.            | 100-              |            |                   |            |
|  |               |           | 13  | NON-AI DAUGHTERS | 26          | 16,268             | 4.1       | 675         |                  |                   |            |                   |            |
|  |               |           | 13  | WITH HERD-MATES  | 26          | 16,268             | 4.1       | 675         | 14               | 16,557            | 678        |                   |            |
|  |               |           |     |                  |             |                    |           |             | DIFF.            | 289-              | 3-         |                   |            |
| 1270216 PABST RAVEN LUCKY.....               |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 07-09-55                                     | 909839        | 3038141   | 8   | NON-AI DAUGHTERS | 13          | 13,054             | 3.5       | 451         |                  |                   |            |                   |            |
|  | LISTED, 08-62 |           | 8   | WITH HERD-MATES  | 12          | 13,079             | 3.5       | 453         | 13               | 12,289            | 435        |                   |            |
| STATES- 35                                   |               |           |     |                  |             |                    |           |             | DIFF.            | 790               | 18         |                   |            |
| 1270217 PABST CYCLDNE RDGAL BET.....         |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 11-03-55                                     | 1215958       | 3711476   | 15  | NON-AI DAUGHTERS | 22          | 14,025             | 3.5       | 496         |                  |                   |            |                   |            |
|  | LISTED, 03-64 |           | 15  | WITH HERD-MATES  | 22          | 14,025             | 3.5       | 496         | 23               | 12,330            | 464        |                   |            |
| STATES- 35                                   |               |           |     |                  |             |                    |           |             | DIFF.            | 1695              | 32         |                   |            |
| 1270410 .....                                |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
|  |               |           | 7   | NON-AI DAUGHTERS | 8           | 9,346              | 3.7       | 348         |                  |                   |            |                   |            |
| STATES- 42                                   |               |           | 7   | WITH HERD-MATES  | 8           | 9,346              | 3.7       | 348         | 5                | 9,842             | 354        |                   |            |
|  |               |           |     |                  |             |                    |           |             | DIFF.            | 496-              | 6-         |                   |            |
| 1270498 CASCAOA TREASURE KING.....           |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 01-02-55                                     | 1160612       | 3351178   | 11  | NON-AI DAUGHTERS | 16          | 10,209             | 3.6       | 366         |                  |                   |            |                   |            |
|  | LISTED, 11-63 |           | 10  | WITH HERD-MATES  | 15          | 10,454             | 3.6       | 378         | 6                | 11,264            | 411        |                   |            |
| STATES- 34                                   |               |           |     |                  |             |                    |           |             | DIFF.            | 810-              | 33-        |                   |            |
| 1270654 ESS-TEE-DEE LOCHINVAR OOC.....       |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 02-18-55                                     | 1217104       | 2883267   | 27  | NON-AI DAUGHTERS | 48          | 11,154             | 3.5       | 394         |                  |                   |            |                   |            |
|  | LISTED, 08-63 |           | 27  | WITH HERD-MATES  | 48          | 11,154             | 3.5       | 394         | 11               | 11,755            | 433        |                   |            |
| STATES- 23                                   |               |           |     |                  |             |                    |           |             | DIFF.            | 601-              | 39-        |                   |            |
| 1270758 ONACO CURTISS CANOY INVINCIBLE.....  |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 10-23-55                                     | 1056882       | 3605078   | 9   | NON-AI DAUGHTERS | 11          | 12,856             | 3.3       | 418         |                  |                   |            |                   |            |
|  | LISTED, 11-63 |           | 9   | WITH HERD-MATES  | 11          | 12,856             | 3.3       | 418         | 23               | 13,567            | 470        |                   |            |
| STATES- 31                                   |               |           |     |                  |             |                    |           |             | DIFF.            | 711-              | 52-        |                   |            |
| 1270782 .....                                |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
|  |               |           | 8   | NON-AI DAUGHTERS | 10          | 10,410             | 4.0       | 417         |                  |                   |            |                   |            |
| STATES- 43                                   |               |           | 8   | WITH HERD-MATES  | 10          | 10,410             | 4.0       | 417         | 8                | 9,002             | 346        |                   |            |
|  |               |           |     |                  |             |                    |           |             | DIFF.            | 1408              | 71         |                   |            |
| 1270858 BRIARKILL ADMIRAL FOBES.....         |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 10-28-55                                     | 1189195       | 3981998   | 5   | NON-AI DAUGHTERS | 7           | 12,950             | 3.9       | 503         |                  |                   |            |                   |            |
|  | LISTED, 05-64 |           | 5   | WITH HERD-MATES  | 7           | 12,950             | 3.9       | 503         | 22               | 15,403            | 571        |                   |            |
| STATES- 16,21                                |               |           |     |                  |             |                    |           |             | DIFF.            | 2453-             | 68-        |                   |            |
| 1270868 TOWERLINE BURKE BILL COMMANDER.....  |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 09-28-55                                     | 1119068       | 2920782   | 5   | NON-AI DAUGHTERS | 7           | 14,121             | 3.8       | 540         |                  |                   |            |                   |            |
|  | LISTED, 05-64 |           | 5   | WITH HERD-MATES  | 7           | 14,121             | 3.8       | 540         | 10               | 14,130            | 516        |                   |            |
| STATES- 34                                   |               |           |     |                  |             |                    |           |             | DIFF.            | 9-                | 24         |                   |            |
| 1270923 TERRACE FARM A08URKE RECOVERY.....   |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 09-14-55                                     | 1147382       | 2823835   | 26  | NON-AI DAUGHTERS | 55          | 11,777             | 3.6       | 429         |                  |                   |            |                   |            |
|  | LISTED, 01-63 |           | 26  | WITH HERD-MATES  | 55          | 11,777             | 3.6       | 429         | 5                | 12,596            | 442        |                   |            |
| STATES- 23                                   |               |           |     |                  |             |                    |           |             | DIFF.            | 819-              | 13-        |                   |            |
| 1270932 W & G O-M. LUCIFER DEAN LINCOLN..... |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 02-12-56                                     | 769170        | 2958974   | 80  | AI DAUGHTERS-25* | 152         | 13,793             | 3.6       | 496         |                  |                   |            |                   |            |
| AI STUO, 21-01                               | LISTED, 05-64 |           | 78  | WITH HERD-MATES  | 148         | 13,846             | 3.6       | 500         | 24               | 13,644            | 494        | 12,745            | 464        |
| STATES- 13,21,23                             |               |           |     |                  |             |                    |           |             | DIFF.            | 202               | 6          |                   |            |
| 1270958 LOOKABOUT KING IKE.....              |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 10-28-55                                     | 1117528       | 2848722   | 11  | NON-AI DAUGHTERS | 16          | 14,018             | 3.7       | 515         |                  |                   |            |                   |            |
|  | LISTED, 08-63 |           | 11  | WITH HERD-MATES  | 16          | 14,018             | 3.7       | 515         | 28               | 12,784            | 474        |                   |            |
| STATES- 51                                   |               |           |     |                  |             |                    |           |             | DIFF.            | 1234              | 41         |                   |            |
| 1270999 WAY BROOK MODELMAKER.....            |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 05-23-55                                     | 1028260       | 010869835 | 17  | NON-AI DAUGHTERS | 28          | 12,028             | 3.8       | 462         |                  |                   |            |                   |            |
|  | LISTED, 01-63 |           | 16  | WITH HERO-MATES  | 26          | 11,927             | 3.9       | 462         | 12               | 15,017            | 553        |                   |            |
| STATES- 12,14                                |               |           |     |                  |             |                    |           |             | DIFF.            | 3090-             | 91-        |                   |            |
| 1271019 MAVIEW DUNLOGGIN DIRECT.....         |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 12-21-55                                     | 972500        | 2978190   | 741 | AI DAUGHTERS-25* | 1185        | 14,007             | 3.7       | 525         |                  |                   |            |                   |            |
| AI STUO, 23-04                               | LISTED, 05-64 |           | 731 | WITH HERD-MATES  | 1168        | 14,035             | 3.7       | 526         | 15               | 13,708            | 516        | 12,913            | 471        |
| STATES- 21,23,51                             |               |           |     |                  |             |                    |           |             | DIFF.            | 327               | 10         |                   |            |
| 1271075 DRMSBY HEUERS DUKE.....              |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 11-26-55                                     | 1255986       | 3395021   | 23  | NON-AI DAUGHTERS | 42          | 14,661             | 3.9       | 574         |                  |                   |            |                   |            |
| AI STUO, 35-75                               | LISTED, 05-64 |           | 23  | WITH HERD-MATES  | 42          | 14,661             | 3.9       | 574         | 9                | 13,607            | 521        |                   |            |
| STATES- 41,46                                |               |           |     |                  |             |                    |           |             | DIFF.            | 1054              | 53         |                   |            |
| 1271122 THONYMA ORMSBY LAD.....              |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 03-06-55                                     | 1196645       | 3417592   | 470 | AI DAUGHTERS-25* | 516         | 12,472             | 3.7       | 467         |                  |                   |            |                   |            |
| AI STUO, 48-01                               | LISTED, 05-64 |           | 465 | WITH HERD-MATES  | 510         | 12,443             | 3.7       | 466         | 18               | 12,882            | 468        | 12,085            | 454        |
| STATES- 48,73,74                             |               |           |     |                  |             |                    |           |             | DIFF.            | 439-              | 2-         |                   |            |
|  |               |           | 44  | NON-AI DAUGHTERS | 89          | 13,411             | 3.8       | 503         |                  |                   |            |                   |            |
|  |               |           | 43  | WITH HERD-MATES  | 88          | 13,430             | 3.8       | 504         | 10               | 13,611            | 508        |                   |            |
|  |               |           |     |                  |             |                    |           |             | DIFF.            | 181-              | 4-         |                   |            |
| 1271147 MERIWETHER LEAORER RUBERT.....       |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 02-09-56                                     | 915940        | 3427633   | 15  | NON-AI DAUGHTERS | 33          | 15,346             | 3.6       | 546         |                  |                   |            |                   |            |
|  | LISTED, 08-63 |           | 15  | WITH HERD-MATES  | 32          | 15,433             | 3.6       | 548         | 6                | 13,967            | 487        |                   |            |
| STATES- 42                                   |               |           |     |                  |             |                    |           |             | DIFF.            | 1466              | 61         |                   |            |
| 1271276 LASH8ROOK PROGRESSOR EMBLEM.....     |               |           |     |                  |             |                    |           |             |                  |                   |            |                   |            |
| 09-12-55                                     | 1209385       | 3087042   | 8   | NON-AI DAUGHTERS | 11          | 12,971             | 3.3       | 434         |                  |                   |            |                   |            |
|  | LISTED, 03-64 |           | 8   | WITH HERD-MATES  | 11          | 12,971             | 3.3       | 434         | 13               | 11,331            | 391        |                   |            |
| STATES- 41                                   |               |           |     |                  |             |                    |           |             | DIFF.            | 1640              | 43         |                   |            |



| SIRE OF DHIA DAUGHTERS       |                                    |     |                  | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |
|------------------------------|------------------------------------|-----|------------------|------------------------|--------|------|-----|---------------------|--------|-----|---------------|-----|
| OLSTEIN                      |                                    |     |                  | RECORDS                | MILK   | TEST | FAT | NUMBER              | MILK   | FAT | MILK          | FAT |
|                              |                                    |     |                  | NUMBER                 | LB     | %    | LB  |                     | LB     | LB  | LB            | LB  |
| 271378                       | .....                              | 9   | NDN-AI DAUGHTERS | 12                     | 11,847 | 3.4  | 405 |                     |        |     |               |     |
| STATES- 71,73                |                                    | 9   | WITH HERD-MATES  | 12                     | 11,847 | 3.4  | 405 | 18                  | 12,899 | 444 |               |     |
|                              |                                    |     |                  |                        |        |      |     | DIFF.               | 1052-  | 39- |               |     |
| 271474                       | GRAY VIEW JUNIOR NICK.....         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 12-06-55                     | 1192875 3167997                    | 21  | NDN-AI DAUGHTERS | 47                     | 14,057 | 3.7  | 526 |                     |        |     |               |     |
| STATES- 35,52,63,84          |                                    | 21  | WITH HERD-MATES  | 45                     | 14,020 | 3.7  | 525 | 17                  | 13,533 | 503 |               |     |
|                              |                                    |     |                  |                        |        |      |     | DIFF.               | 487    | 22  |               |     |
| 271557                       | SRD ADVANCER THREE.....            |     |                  |                        |        |      |     |                     |        |     |               |     |
| 01-30-56                     | 1203158 3872416                    | 17  | NDN-AI DAUGHTERS | 19                     | 16,724 | 3.7  | 615 |                     |        |     |               |     |
| AI STUD, 35-75 LISTED, 03-64 |                                    | 17  | WITH HERD-MATES  | 18                     | 16,471 | 3.7  | 604 | 43                  | 15,092 | 576 |               |     |
| STATES- 74                   |                                    |     |                  |                        |        |      |     | DIFF.               | 1379   | 28  |               |     |
| 271810                       | TIDY BURKE ELEVATION.....          |     |                  |                        |        |      |     |                     |        |     |               |     |
| 03-23-55                     | 1013415 3348181                    | 3   | AI DAUGHTERS-03  |                        |        |      |     |                     |        |     |               |     |
| AI STUD, 31-02 LISTED, 05-64 |                                    | 3   | WITH HERD-MATES  |                        |        |      |     |                     |        |     |               |     |
| STATES- 31,32,43,48,56       |                                    |     |                  |                        |        |      |     |                     |        |     |               |     |
|                              |                                    | 32  | NDN-AI DAUGHTERS | 64                     | 15,269 | 3.6  | 554 |                     |        |     |               |     |
|                              |                                    | 30  | WITH HERD-MATES  | 60                     | 15,342 | 3.6  | 555 | 10                  | 13,847 | 506 |               |     |
|                              |                                    |     |                  |                        |        |      |     | DIFF.               | 1495   | 49  |               |     |
| 271879                       | GDULD RAG APPLE MARK.....          |     |                  |                        |        |      |     |                     |        |     |               |     |
| 02-27-54                     | 866027 2735215                     | 23  | NDN-AI DAUGHTERS | 57                     | 14,552 | 3.6  | 528 |                     |        |     |               |     |
| LISTED, 01-63                |                                    | 23  | WITH HERD-MATES  | 57                     | 14,552 | 3.6  | 528 | 12                  | 15,073 | 541 |               |     |
| STATES- 13                   |                                    |     |                  |                        |        |      |     | DIFF.               | 521-   | 13- |               |     |
| 271925                       | 80TTHAVEN RE-GRAND DUKE.....       |     |                  |                        |        |      |     |                     |        |     |               |     |
| 11-05-55                     | 1001512 3714408                    | 14  | NDN-AI DAUGHTERS | 25                     | 13,508 | 3.9  | 521 |                     |        |     |               |     |
| LISTED, 01-63                |                                    | 14  | WITH HERD-MATES  | 25                     | 13,508 | 3.9  | 521 | 15                  | 13,547 | 495 |               |     |
| STATES- 34                   |                                    |     |                  |                        |        |      |     | DIFF.               | 39-    | 26  |               |     |
| 272013                       | STONEFIELD DEAN LUCIFER XMAS.....  |     |                  |                        |        |      |     |                     |        |     |               |     |
| 12-25-55                     | 769170 2722255                     | 165 | AI DAUGHTERS-25* | 378                    | 14,286 | 3.5  | 500 |                     |        |     |               |     |
| AI STUD, 21-01 LISTED, 05-64 |                                    | 124 | WITH HERD-MATES  | 308                    | 14,181 | 3.5  | 494 | 20                  | 13,303 | 479 | 13,346        | 470 |
| STATES- 13,14,21,22,51       |                                    |     |                  |                        |        |      |     | DIFF.               | 878    | 15  |               |     |
|                              |                                    | 1   | NDN-AI DAUGHTERS | 1                      | 16,880 | 3.2  | 538 |                     |        |     |               |     |
|                              |                                    | 1   | WITH HERD-MATES  | 1                      | 16,880 | 3.2  | 538 | 15                  | 9,978  | 355 |               |     |
|                              |                                    |     |                  |                        |        |      |     | DIFF.               | 6902   | 183 |               |     |
| 272187                       | .....                              |     |                  |                        |        |      |     |                     |        |     |               |     |
| STATES- 31                   |                                    | 5   | NDN-AI DAUGHTERS | 6                      | 16,679 | 3.3  | 550 |                     |        |     |               |     |
|                              |                                    | 5   | WITH HERD-MATES  | 6                      | 16,679 | 3.3  | 550 | 7                   | 13,858 | 483 |               |     |
|                              |                                    |     |                  |                        |        |      |     | DIFF.               | 2821   | 67  |               |     |
| 272308                       | PHILLIPS SNOW WHITE CHAMP.....     |     |                  |                        |        |      |     |                     |        |     |               |     |
| 11-07-55                     | 1192202 3594241                    | 25  | NDN-AI DAUGHTERS | 30                     | 14,884 | 3.8  | 563 |                     |        |     |               |     |
| LISTED, 11-63                |                                    | 24  | WITH HERD-MATES  | 29                     | 14,947 | 3.8  | 565 | 10                  | 13,366 | 518 |               |     |
| STATES- 42                   |                                    |     |                  |                        |        |      |     | DIFF.               | 1581   | 47  |               |     |
| 272371                       | PUGET SOUND PATHFINDER.....        |     |                  |                        |        |      |     |                     |        |     |               |     |
| 12-28-54                     | 1214152 3410973                    | 22  | NDN-AI DAUGHTERS | 44                     | 13,838 | 3.9  | 542 |                     |        |     |               |     |
| LISTED, 08-62                |                                    | 22  | WITH HERD-MATES  | 44                     | 13,838 | 3.9  | 542 | 22                  | 13,880 | 531 |               |     |
| STATES- 91                   |                                    |     |                  |                        |        |      |     | DIFF.               | 42-    | 11  |               |     |
| 272569                       | NJES ROBERT VIVI CLAMDR.....       |     |                  |                        |        |      |     |                     |        |     |               |     |
| 11-10-55                     | 1037451 3359490                    | 14  | AI DAUGHTERS-13  | 34                     | 12,636 | 3.6  | 457 |                     |        |     |               |     |
| AI STUD, 22-03 LISTED, 08-62 |                                    | 14  | WITH HERD-MATES  | 33                     | 12,604 | 3.6  | 456 | 26                  | 12,731 | 467 | 12,417        | 450 |
| STATES- 22                   |                                    |     |                  |                        |        |      |     | DIFF.               | 127-   | 11- |               |     |
| 272599                       | ELDDNDN MAESTRO PERRY.....         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 11-26-55                     | 1224078 3201018                    | 13  | NDN-AI DAUGHTERS | 15                     | 11,461 | 3.8  | 433 |                     |        |     |               |     |
| LISTED, 03-64                |                                    | 12  | WITH HERD-MATES  | 13                     | 10,972 | 3.8  | 414 | 11                  | 11,941 | 428 |               |     |
| STATES- 33,35                |                                    |     |                  |                        |        |      |     | DIFF.               | 969-   | 14- |               |     |
| 272744                       | CARNATION TAYLOR MADE.....         |     |                  |                        |        |      |     |                     |        |     |               |     |
| 10-05-55                     | 1152252 3406280                    | 12  | NDN-AI DAUGHTERS | 13                     | 12,027 | 3.3  | 399 |                     |        |     |               |     |
| LISTED, 11-63                |                                    | 12  | WITH HERD-MATES  | 13                     | 12,027 | 3.3  | 399 | 24                  | 13,809 | 475 |               |     |
| STATES- 31                   |                                    |     |                  |                        |        |      |     | DIFF.               | 1782-  | 76- |               |     |
| 272896                       | EASTHAVEN DEAN SPARKER.....        |     |                  |                        |        |      |     |                     |        |     |               |     |
| 10-04-54                     | 1081684 2858779                    | 25  | NDN-AI DAUGHTERS | 62                     | 16,918 | 3.9  | 667 |                     |        |     |               |     |
| AI STUD, 35-75 LISTED, 05-64 |                                    | 25  | WITH HERD-MATES  | 62                     | 16,918 | 3.9  | 667 | 17                  | 16,166 | 607 |               |     |
| STATES- 32                   |                                    |     |                  |                        |        |      |     | DIFF.               | 752    | 60  |               |     |
| 272933                       | RYANCREST PABST VAR.....           |     |                  |                        |        |      |     |                     |        |     |               |     |
| 12-30-55                     | 984267 2772991                     | 17  | NDN-AI DAUGHTERS | 26                     | 14,048 | 3.6  | 500 |                     |        |     |               |     |
| LISTED, 08-63                |                                    | 17  | WITH HERD-MATES  | 26                     | 14,048 | 3.6  | 500 | 81                  | 15,780 | 568 |               |     |
| STATES- 13,21                |                                    |     |                  |                        |        |      |     | DIFF.               | 1732-  | 68- |               |     |
| 273012                       | .....                              |     |                  |                        |        |      |     |                     |        |     |               |     |
| STATES- 34                   |                                    | 7   | NDN-AI DAUGHTERS | 7                      | 11,469 | 3.6  | 413 |                     |        |     |               |     |
|                              |                                    | 7   | WITH HERD-MATES  | 7                      | 11,469 | 3.6  | 413 | 10                  | 12,078 | 421 |               |     |
|                              |                                    |     |                  |                        |        |      |     | DIFF.               | 609-   | 8-  |               |     |
| 273130                       | BRIGEEN HELEN PRINCE - TWIN.....   |     |                  |                        |        |      |     |                     |        |     |               |     |
| 11-19-55                     | 1170426 2604970                    | 30  | NDN-AI DAUGHTERS | 49                     | 13,778 | 3.9  | 540 |                     |        |     |               |     |
| STATES- 21,22,23,51          |                                    | 29  | WITH HERD-MATES  | 48                     | 13,764 | 3.9  | 539 | 14                  | 14,281 | 533 |               |     |
|                              |                                    |     |                  |                        |        |      |     | DIFF.               | 517-   | 6   |               |     |
| 273131                       | BRIGEEN GOLDEN BLANCHE.....        |     |                  |                        |        |      |     |                     |        |     |               |     |
| 11-28-55                     | 1170426 3305511                    | 33  | NDN-AI DAUGHTERS | 58                     | 13,517 | 3.9  | 523 |                     |        |     |               |     |
| LISTED, 08-63                |                                    | 33  | WITH HERD-MATES  | 58                     | 13,517 | 3.9  | 523 | 11                  | 13,990 | 521 |               |     |
| STATES- 13,21,22,50,51       |                                    |     |                  |                        |        |      |     | DIFF.               | 473-   | 2   |               |     |
| 273196                       | STEILACODM KORNDOYKE HAZELWDD..... |     |                  |                        |        |      |     |                     |        |     |               |     |
| 02-24-55                     | 1153389 3483169                    | 18  | NDN-AI DAUGHTERS | 26                     | 17,855 | 2.8  | 500 |                     |        |     |               |     |
| LISTED, 08-63                |                                    | 18  | WITH HERD-MATES  | 26                     | 17,855 | 2.8  | 500 | 30                  | 18,015 | 540 |               |     |
| STATES- 91                   |                                    |     |                  |                        |        |      |     | DIFF.               | 160-   | 40- |               |     |
| 273237                       | PROGRESSOR SUSSEX HAPPY.....       |     |                  |                        |        |      |     |                     |        |     |               |     |
| 01-10-56                     | 1169405 3191592                    | 29  | NDN-AI DAUGHTERS | 52                     | 17,529 | 3.5  | 621 |                     |        |     |               |     |
| AI STUD, 21-01 LISTED, 08-63 |                                    | 29  | WITH HERD-MATES  | 52                     | 17,529 | 3.5  | 621 | 20                  | 15,358 | 564 |               |     |
| STATES- 51                   |                                    |     |                  |                        |        |      |     | DIFF.               | 2171   | 57  |               |     |

| SIRE OF DHIA DAUGHTERS |                                    |     |                  |      | AV. RECORDS | PRODUCTION MILK LB | DF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|------------------------|------------------------------------|-----|------------------|------|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| HOLSTEIN               |                                    |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 1273331                | ELMVALE SIR ORMSBY PIEBE.....      |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 11-23-55               | 846425 3525033                     | 9   | NON-AI DAUGHTERS | 19   | 12,644      | 3.5                | 448       |             |                 |                    |            |                       |        |
|                        | LISTED, 08-62                      | 9   | WITH HERD-MATES  | 19   | 12,644      | 3.5                | 448       |             |                 |                    |            |                       |        |
| STATES-                | 21                                 |     |                  |      |             |                    |           |             | 12              | 13,594             | 497        |                       |        |
|                        |                                    |     |                  |      |             |                    |           |             | DIFF.           | 950-               | 49-        |                       |        |
| 1273341                | WALKWAY TY VIC ROBIN HOOD.....     |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 11-07-55               | 1137533 3345727                    | 7   | AI DAUGHTERS-02  | 9    | 14,143      | 4.2                | 598       |             |                 |                    |            |                       |        |
| AI STUD, 33-02         | LISTED, 08-63                      | 7   | WITH HERD-MATES  | 9    | 14,143      | 4.2                | 598       |             | 16              | 14,272             | 549        | 12,489                | 476    |
| STATES-                | 33,65                              |     |                  |      |             |                    |           |             | DIFF.           | 129-               | 49         |                       |        |
|                        |                                    | 1   | NON-AI DAUGHTERS | 2    | 14,910      | 4.6                | 679       |             | 4               | 12,561             | 460        |                       |        |
|                        |                                    | 1   | WITH HERD-MATES  | 2    | 14,910      | 4.6                | 679       |             | DIFF.           | 2349               | 219        |                       |        |
| 1273688                | NETHERLAND PABST VALE.....         |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 11-11-55               | 1173685 3547868                    | 13  | NON-AI DAUGHTERS | 20   | 11,889      | 3.6                | 433       |             |                 |                    |            |                       |        |
|                        | LISTED, 08-63                      | 13  | WITH HERD-MATES  | 19   | 12,067      | 3.6                | 439       |             | 14              | 12,592             | 451        |                       |        |
| STATES-                | 41                                 |     |                  |      |             |                    |           |             | DIFF.           | 525-               | 12-        |                       |        |
| 1273696                | GREEN MEADOW NOBILITY.....         |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 01-07-55               | 1180015 2810187                    | 10  | NON-AI DAUGHTERS | 12   | 12,146      | 3.5                | 430       |             |                 |                    |            |                       |        |
|                        | LISTED, 03-64                      | 10  | WITH HERD-MATES  | 11   | 12,255      | 3.5                | 430       |             | 78              | 13,506             | 488        |                       |        |
| STATES-                | 21,34                              |     |                  |      |             |                    |           |             | DIFF.           | 1251-              | 58-        |                       |        |
| 1273708                | .....                              |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
|                        |                                    | 6   | NON-AI DAUGHTERS | 6    | 15,507      | 3.4                | 526       |             |                 |                    |            |                       |        |
| STATES-                | 91                                 | 6   | WITH HERD-MATES  | 6    | 15,507      | 3.4                | 526       |             | 9               | 13,610             | 480        |                       |        |
|                        |                                    |     |                  |      |             |                    |           |             | DIFF.           | 1897               | 46         |                       |        |
| 1273726                | DOUBLE TEE RAINBOW.....            |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 03-15-54               | 1127434 3134654                    | 14  | NON-AI DAUGHTERS | 23   | 16,295      | 3.4                | 555       |             |                 |                    |            |                       |        |
|                        | LISTED, 03-64                      | 13  | WITH HERD-MATES  | 22   | 16,537      | 3.4                | 565       |             | 56              | 15,878             | 564        |                       |        |
| STATES-                | 86,93                              |     |                  |      |             |                    |           |             | DIFF.           | 659                | 1          |                       |        |
| 1273755                | .....                              |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
|                        |                                    | 5   | NON-AI DAUGHTERS | 15   | 14,280      | 3.7                | 534       |             |                 |                    |            |                       |        |
| STATES-                | 23                                 | 5   | WITH HERD-MATES  | 15   | 14,280      | 3.7                | 534       |             | 7               | 13,448             | 494        |                       |        |
|                        |                                    |     |                  |      |             |                    |           |             | DIFF.           | 832                | 40         |                       |        |
| 1273756                | OSBORNDAL E ERIC ORMSBY FOBES..... |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 05-15-55               | 934577 3183213                     | 613 | AI DAUGHTERS-25* | 1138 | 14,337      | 3.8                | 545       |             |                 |                    |            |                       |        |
| AI STUD, 16-04         | LISTED, 05-64                      | 496 | WITH HERD-MATES  | 950  | 14,419      | 3.8                | 547       |             | 21              | 13,531             | 502        | 13,435                | 504    |
| STATES-                | 11,12,13,14,15,16,21,52,58         |     |                  |      |             |                    |           |             | DIFF.           | 888                | 45         |                       |        |
|                        |                                    | 4   | NON-AI DAUGHTERS | 8    | 12,791      | 4.2                | 542       |             |                 |                    |            |                       |        |
|                        |                                    | 1   | WITH HERD-MATES  | 1    | 10,430      | 3.7                | 388       |             | 11              | 11,258             | 421        |                       |        |
|                        |                                    |     |                  |      |             |                    |           |             | DIFF.           | 828-               | 33-        |                       |        |
| 1273796                | ROAMER OLIVER TEXAL.....           |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 03-08-56               | 1102436 3158878                    | 15  | NON-AI DAUGHTERS | 20   | 10,383      | 3.4                | 350       |             |                 |                    |            |                       |        |
|                        | LISTED, 11-63                      | 15  | WITH HERD-MATES  | 20   | 10,383      | 3.4                | 350       |             | 10              | 11,603             | 400        |                       |        |
| STATES-                | 23                                 |     |                  |      |             |                    |           |             | DIFF.           | 1220-              | 50-        |                       |        |
| 1273804                | HOPE FARM SIR ROBURKE JOE.....     |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 11-06-54               | 1024453 3580752                    | 8   | NON-AI DAUGHTERS | 18   | 12,269      | 3.6                | 444       |             |                 |                    |            |                       |        |
|                        | LISTED, 08-62                      | 8   | WITH HERD-MATES  | 18   | 12,269      | 3.6                | 444       |             | 9               | 11,605             | 431        |                       |        |
| STATES-                | 21                                 |     |                  |      |             |                    |           |             | DIFF.           | 574                | 13         |                       |        |
| 1273824                | SILLS WALKER GEORGE.....           |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 01-03-55               | 1200196 2926012                    | 8   | NON-AI DAUGHTERS | 14   | 15,845      | 3.5                | 556       |             |                 |                    |            |                       |        |
|                        | LISTED, 08-62                      | 8   | WITH HERD-MATES  | 14   | 15,845      | 3.5                | 556       |             | 9               | 14,812             | 542        |                       |        |
| STATES-                | 34                                 |     |                  |      |             |                    |           |             | DIFF.           | 1033               | 14         |                       |        |
| 1273908                | NOTCHVIEW MODEL TEDDY.....         |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 12-15-55               | 1176165 3319626                    | 23  | NON-AI DAUGHTERS | 37   | 11,985      | 3.9                | 463       |             |                 |                    |            |                       |        |
|                        | LISTED, 08-63                      | 23  | WITH HERD-MATES  | 37   | 11,985      | 3.9                | 463       |             | 14              | 12,562             | 479        |                       |        |
| STATES-                | 12                                 |     |                  |      |             |                    |           |             | DIFF.           | 577-               | 16-        |                       |        |
| 1273992                | A-HOPEN CRESCENT VICTORIOUS.....   |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 05-09-55               | 1137845 3444847                    | 15  | NON-AI DAUGHTERS | 20   | 13,185      | 3.8                | 496       |             |                 |                    |            |                       |        |
|                        | LISTED, 08-63                      | 15  | WITH HERD-MATES  | 20   | 13,185      | 3.8                | 496       |             | 8               | 12,506             | 476        |                       |        |
| STATES-                | 32                                 |     |                  |      |             |                    |           |             | DIFF.           | 679                | 20         |                       |        |
| 1274153                | RAMACO BURKE HOMESTEAD KING.....   |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 01-11-56               | 1120027 2580406                    | 74  | AI DAUGHTERS-25* | 117  | 12,836      | 3.6                | 461       |             |                 |                    |            |                       |        |
| AI STUD, 35-04         | LISTED, 05-64                      | 74  | WITH HERD-MATES  | 117  | 12,836      | 3.6                | 461       |             | 15              | 13,364             | 486        | 12,093                | 436    |
| STATES-                | 16,35,41,42,51,56                  |     |                  |      |             |                    |           |             | DIFF.           | 528-               | 25-        |                       |        |
|                        |                                    | 7   | NON-AI DAUGHTERS | 21   | 12,241      | 3.7                | 455       |             |                 |                    |            |                       |        |
|                        |                                    | 7   | WITH HERD-MATES  | 21   | 12,241      | 3.7                | 455       |             | 13              | 14,368             | 531        |                       |        |
|                        |                                    |     |                  |      |             |                    |           |             | DIFF.           | 2127-              | 76-        |                       |        |
| 1274239                | .....                              |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
|                        |                                    | 5   | NON-AI DAUGHTERS | 8    | 13,376      | 3.5                | 465       |             |                 |                    |            |                       |        |
| STATES-                | 74                                 | 5   | WITH HERD-MATES  | 8    | 13,376      | 3.5                | 465       |             | 42              | 14,057             | 501        |                       |        |
|                        |                                    |     |                  |      |             |                    |           |             | DIFF.           | 681-               | 36-        |                       |        |
| 1274314                | .....                              |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
|                        |                                    | 17  | NON-AI DAUGHTERS | 17   | 15,792      | 3.4                | 535       |             |                 |                    |            |                       |        |
| STATES-                | 93                                 | 17  | WITH HERD-MATES  | 17   | 15,792      | 3.4                | 535       |             | 31              | 15,026             | 534        |                       |        |
|                        |                                    |     |                  |      |             |                    |           |             | DIFF.           | 766                | 1          |                       |        |
| 1274339                | THREE STATE BURKGOV FROST.....     |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 11-23-55               | 1038509 3676323                    | 35  | AI DAUGHTERS-24  | 59   | 13,606      | 3.5                | 477       |             |                 |                    |            |                       |        |
| AI STUD, 41-01         | LISTED, 05-64                      | 34  | WITH HERD-MATES  | 57   | 13,658      | 3.5                | 478       |             | 30              | 12,480             | 446        | 13,332                | 478    |
| STATES-                | 41,42,45,46                        |     |                  |      |             |                    |           |             | DIFF.           | 1178               | 32         |                       |        |
| 1274341                | DE URFEE KORN TRIUNE.....          |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 12-25-55               | 963422 3605259                     | 21  | NON-AI DAUGHTERS | 45   | 13,349      | 3.8                | 505       |             |                 |                    |            |                       |        |
|                        | LISTED, 01-63                      | 19  | WITH HERD-MATES  | 42   | 13,357      | 3.8                | 503       |             | 27              | 13,450             | 499        |                       |        |
| STATES-                | 21                                 |     |                  |      |             |                    |           |             | DIFF.           | 93-                | 4          |                       |        |
| 1274443                | COMMONWEALTH KHR PRINCE JOE.....   |     |                  |      |             |                    |           |             |                 |                    |            |                       |        |
| 03-31-55               | 1199323 3467378                    | 51  | NON-AI DAUGHTERS | 104  | 12,463      | 3.7                | 455       |             |                 |                    |            |                       |        |
|                        | LISTED, 08-62                      | 50  | WITH HERD-MATES  | 103  | 12,505      | 3.7                | 457       |             | 21              | 12,442             | 450        |                       |        |
| STATES-                | 61                                 |     |                  |      |             |                    |           |             | DIFF.           | 63                 | 7          |                       |        |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN                                 | AV. PRODUCTION OF |                  |      |        | DAU. | ADJ. HERO-MATES |       | AV.    | PREDICTED AV. |            |
|--|-------------------|------------------|------|--------|------|-----------------|-------|--------|---------------|------------|
|  | RECORDS           | MILK             | TEST | FAT    |      | NUMBER          | MILK  | FAT    |               |            |
|  | NUMBER            | LB               | %    | LB     |      |                 | LB    |        | LB            | LB         |
| 1274509 .....                            |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 32                               | 5                 | NON-AI DAUGHTERS | 6    | 12,022 | 3.4  | 403             |       |        |               |            |
|  | 5                 | WITH HERD-MATES  | 6    | 12,022 | 3.4  | 403             | 7     | 11,241 | 406           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 781    | 3-            |            |
| 1274684 SKOKIE CREATION MISTER.....      |                   |                  |      |        |      |                 |       |        |               |            |
| 11-25-55 1126982 2760877                 | 364               | AI DAUGHTERS-25* | 435  | 13,238 | 3.6  | 476             |       |        |               |            |
| AI STUO, 33-03 LISTED, 05-64             | 362               | WITH HERD-MATES  | 433  | 13,261 | 3.6  | 477             | 18    | 13,402 | 494           | 12,425 443 |
| STATES- 11,12,13,14,16,21,22,            |                   |                  |      |        |      |                 | DIFF. | 141-   | 17-           |            |
| 23,31,32,33,34,35,41,42,43,46,           | 7                 | NON-AI DAUGHTERS | 10   | 12,849 | 3.8  | 490             |       |        |               |            |
| 47,48,50,51,52,54,63,65,84,87            | 7                 | WITH HERD-MATES  | 10   | 12,849 | 3.8  | 490             | 17    | 13,398 | 484           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 549-   | 6             |            |
| 1274685 .....                            |                   |                  |      |        |      |                 |       |        |               |            |
| AI STUO, 93-02                           | 7                 | AI DAUGHTERS-03  | 7    | 13,026 | 3.9  | 503             |       |        |               |            |
| STATES- 85,93                            | 7                 | WITH HERD-MATES  | 7    | 13,026 | 3.9  | 503             | 46    | 14,065 | 509           | 12,154 455 |
|  |                   |                  |      |        |      |                 | DIFF. | 1039-  | 6-            |            |
| 1274728 GOULD RAG APPLE DAVIO.....       |                   |                  |      |        |      |                 |       |        |               |            |
| 03-03-56 866027 2831229                  | 12                | NON-AI DAUGHTERS | 20   | 11,918 | 3.8  | 456             |       |        |               |            |
| STATES- 13 LISTED, 03-64                 | 12                | WITH HERD-MATES  | 20   | 11,918 | 3.8  | 456             | 16    | 13,340 | 503           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 1422-  | 47-           |            |
| 1274838 KAYTEE RAG APPLE SENSATION.....  |                   |                  |      |        |      |                 |       |        |               |            |
| 12-27-55 1024453 2177529                 | 2                 | AI DAUGHTERS-02  |      |        |      |                 |       |        |               |            |
| AI STUO, 35-03 LISTED, 05-64             | 1                 | WITH HERD-MATES  |      |        |      |                 |       |        |               |            |
| STATES- 21,35,91                         |                   |                  |      |        |      |                 |       |        |               |            |
|  | 5                 | NON-AI DAUGHTERS | 6    | 16,817 | 3.5  | 597             |       |        |               |            |
|  | 5                 | WITH HERD-MATES  | 6    | 16,817 | 3.5  | 597             | 10    | 13,274 | 481           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 3543   | 116           |            |
| 1275017 WOODMASTER HOMESTEAD JIM.....    |                   |                  |      |        |      |                 |       |        |               |            |
| 09-07-55 954382 3450598                  | 14                | NON-AI DAUGHTERS | 16   | 15,797 | 3.5  | 546             |       |        |               |            |
| STATES- 63 LISTED, 11-63                 | 14                | WITH HERD-MATES  | 16   | 15,797 | 3.5  | 546             | 8     | 13,241 | 489           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 2556   | 57            |            |
| 1275038 BURKE 8 F RETURN FISHER.....     |                   |                  |      |        |      |                 |       |        |               |            |
| 10-28-55 1197956 2808617                 | 12                | NON-AI DAUGHTERS | 14   | 12,315 | 3.9  | 478             |       |        |               |            |
| STATES- 35 LISTED, 08-63                 | 12                | WITH HERD-MATES  | 14   | 12,315 | 3.9  | 478             | 13    | 13,009 | 495           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 694-   | 17-           |            |
| 1275109 .....                            |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 81                               | 5                 | NON-AI DAUGHTERS | 9    | 11,027 | 3.9  | 433             |       |        |               |            |
|  | 5                 | WITH HERD-MATES  | 9    | 11,027 | 3.9  | 433             | 15    | 13,659 | 474           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 2632-  | 41-           |            |
| 1275190 HASSAN MASTER LAOY RAY.....      |                   |                  |      |        |      |                 |       |        |               |            |
| 01-29-56 967010 2636856                  | 10                | NON-AI DAUGHTERS | 15   | 15,046 | 3.5  | 534             |       |        |               |            |
| STATES- 51,52,55 LISTED, 11-63           | 10                | WITH HERD-MATES  | 15   | 15,046 | 3.5  | 534             | 24    | 13,145 | 488           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 1901   | 46            |            |
| 1275201 SINKREP ROCKET DAN.....          |                   |                  |      |        |      |                 |       |        |               |            |
| 09-23-55 1238111 3325364                 | 23                | NON-AI DAUGHTERS | 25   | 12,825 | 3.5  | 449             |       |        |               |            |
| STATES- 46 LISTED, 03-64                 | 23                | WITH HERD-MATES  | 25   | 12,825 | 3.5  | 449             | 12    | 13,333 | 468           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 508-   | 19-           |            |
| 1275215 OAKMULGEE DINA JUDGE JERRY.....  |                   |                  |      |        |      |                 |       |        |               |            |
| 03-31-56 1189014 3009909                 | 13                | NON-AI DAUGHTERS | 13   | 13,218 | 3.9  | 520             |       |        |               |            |
| STATES- 52 LISTED, 11-63                 | 13                | WITH HERD-MATES  | 13   | 13,218 | 3.9  | 520             | 15    | 13,845 | 485           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 627-   | 35            |            |
| 1275226 WESTLEA TEACHER.....             |                   |                  |      |        |      |                 |       |        |               |            |
| 03-07-56 1009269 2872477                 | 24                | NON-AI DAUGHTERS | 30   | 14,224 | 3.6  | 518             |       |        |               |            |
| STATES- 14 LISTED, 03-64                 | 24                | WITH HERD-MATES  | 30   | 14,224 | 3.6  | 518             | 9     | 12,840 | 467           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 1384   | 51            |            |
| 1275318 .....                            |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 93                               | 72                | NON-AI DAUGHTERS | 72   | 16,574 | 3.4  | 568             |       |        |               |            |
|  | 72                | WITH HERD-MATES  | 72   | 16,574 | 3.4  | 568             | 99    | 16,294 | 559           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 280    | 9             |            |
| 1275352 SHANGHIGH EXEC OASIS VICTOR..... |                   |                  |      |        |      |                 |       |        |               |            |
| 01-27-56 1194277 3236099                 | 9                 | NON-AI DAUGHTERS | 16   | 12,742 | 3.5  | 451             |       |        |               |            |
| STATES- 31 LISTED, 08-63                 | 9                 | WITH HERD-MATES  | 16   | 12,742 | 3.5  | 451             | 7     | 12,654 | 451           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 88     |               |            |
| 1275412 .....                            |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 33,35                            | 5                 | NON-AI DAUGHTERS | 9    | 14,213 | 3.7  | 528             |       |        |               |            |
|  | 5                 | WITH HERD-MATES  | 9    | 14,213 | 3.7  | 528             | 10    | 13,950 | 519           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 263    | 9             |            |
| 1275531 RICHVALE ROBURKE COMMANDER.....  |                   |                  |      |        |      |                 |       |        |               |            |
| 10-06-55 1024453 3198024                 | 15                | NON-AI DAUGHTERS | 27   | 13,715 | 4.2  | 574             |       |        |               |            |
| STATES- 51                               | 15                | WITH HERD-MATES  | 27   | 13,715 | 4.2  | 574             | 14    | 12,989 | 493           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 726    | 81            |            |
| 1275604 LOMADA MASTERPIECE GLEN.....     |                   |                  |      |        |      |                 |       |        |               |            |
| 02-28-56 929962 3959005                  | 89                | AI DAUGHTERS-25* | 194  | 13,622 | 3.6  | 490             |       |        |               |            |
| AI STUO, 21-01 LISTED, 05-64             | 83                | WITH HERD-MATES  | 185  | 13,656 | 3.6  | 492             | 21    | 13,496 | 486           | 12,699 463 |
| STATES- 13,21                            |                   |                  |      |        |      |                 | DIFF. | 160    | 6             |            |
| 1275766 THONYMA BURKE LOU LAO.....       |                   |                  |      |        |      |                 |       |        |               |            |
| 02-23-56 1025416 3439972                 | 37                | NON-AI DAUGHTERS | 53   | 12,922 | 3.6  | 462             |       |        |               |            |
| STATES- 43 LISTED, 03-64                 | 37                | WITH HERD-MATES  | 53   | 12,922 | 3.6  | 462             | 16    | 13,213 | 470           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 291-   | 8-            |            |
| 1275846 FUTURE HOPE COLONEL.....         |                   |                  |      |        |      |                 |       |        |               |            |
| 08-20-55 1209315 2307367                 | 11                | NON-AI DAUGHTERS | 17   | 13,468 | 3.7  | 493             |       |        |               |            |
| STATES- 34,35 LISTED, 08-63              | 11                | WITH HERD-MATES  | 17   | 13,468 | 3.7  | 493             | 16    | 13,290 | 481           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 178    | 12            |            |
| 1275868 .....                            |                   |                  |      |        |      |                 |       |        |               |            |
| STATES- 32                               | 6                 | NON-AI DAUGHTERS | 6    | 10,747 | 3.5  | 371             |       |        |               |            |
|  | 6                 | WITH HERD-MATES  | 6    | 10,747 | 3.5  | 371             | 12    | 11,279 | 394           |            |
|  |                   |                  |      |        |      |                 | DIFF. | 532-   | 23-           |            |



## SIREs OF DHIA DAUGHTERS

| HOLSTEIN                                   |     |                  |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV.    | PREDICTED AV.  |
|--|-----|------------------|-----|------------------------|------------------------|----------------|
|  |     |                  |     | RECORDS MILK TEST FAT  | AV. MILK FAT           | MILK FAT       |
|  |     |                  |     | NUMBER L8 % L8         | NUMBER L8 L8           | L8 L8          |
| 1276057 .....                              |     |                  |     |                        |                        |                |
| STATES- 32,34                              | 5   | NON-AI DAUGHTERS | 9   | 12,090 3.8 456         |                        |                |
|  | 5   | WITH HERD-MATES  | 9   | 12,090 3.8 456         | 12 DIFF. 14,116 2026-  | 513 57-        |
| 1276089 EXRANCO LEADER.....                |     |                  |     |                        |                        |                |
| 02-13-52 1150470 3547421                   | 9   | AI DAUGHTERS-01  | 17  | 15,553 3.4 534         |                        |                |
| AI STUD, 93-03 LISTED, 05-64               | 9   | WITH HERD-MATES  | 17  | 15,553 3.4 534         | 161 DIFF. 15,304 249   | 559 12,694 449 |
| STATES- 93                                 |     |                  |     |                        |                        |                |
|  | 1   | NON-AI DAUGHTERS | 1   | 12,980 3.8 493         |                        |                |
|  | 1   | WITH HERD-MATES  | 1   | 12,980 3.8 493         | 155 DIFF. 15,333 2353- | 557 64-        |
| 1276143 WOOSTERDALE DEAN PAT.....          |     |                  |     |                        |                        |                |
| 04-12-56 1020277 3136200                   | 18  | NON-AI DAUGHTERS | 32  | 12,661 3.6 462         |                        |                |
| LISTED, 08-63                              | 18  | WITH HERD-MATES  | 32  | 12,661 3.6 462         | 21 DIFF. 13,302 641-   | 484 22-        |
| STATES- 21                                 |     |                  |     |                        |                        |                |
| 1276178 COLSTEEH INVINCIBLE.....           |     |                  |     |                        |                        |                |
| 12-17-55 1056882 3011085                   | 9   | NON-AI DAUGHTERS | 10  | 13,685 3.5 483         |                        |                |
| LISTED, 08-63                              | 9   | WITH HERD-MATES  | 10  | 13,685 3.5 483         | 37 DIFF. 14,108 423-   | 487 4-         |
| STATES- 84                                 |     |                  |     |                        |                        |                |
| 1276262 COVE BREEZE MAJOR MOEL.....        |     |                  |     |                        |                        |                |
| 03-10-56 1178780 3724973                   | 13  | NON-AI DAUGHTERS | 19  | 13,516 3.8 507         |                        |                |
| LISTED, 11-63                              | 13  | WITH HERD-MATES  | 18  | 13,792 3.7 517         | 10 DIFF. 12,026 1766   | 471 46         |
| STATES- 51                                 |     |                  |     |                        |                        |                |
| 1276286 OSBORNDALÉ SIR HECTOR F08ES.....   |     |                  |     |                        |                        |                |
| 10-29-55 934577 2742333                    | 200 | AI DAUGHTERS-25* | 443 | 12,926 3.7 476         |                        |                |
| AI STUD, 21-01                             | 191 | WITH HERD-MATES  | 431 | 12,961 3.7 477         | 21 DIFF. 13,587 626-   | 492 11,988 445 |
| STATES- 13,14,21,23,31,52                  |     |                  |     |                        |                        |                |
| 1276344 UNH QUARTERMASTER.....             |     |                  |     |                        |                        |                |
| 03-31-56 1071565 2726492                   | 272 | AI DAUGHTERS-25* | 375 | 13,813 3.8 523         |                        |                |
| AI STUD, 33-02 LISTED, 05-64               | 270 | WITH HERD-MATES  | 371 | 13,830 3.8 524         | 14 DIFF. 13,015 815    | 480 13,297 499 |
| STATES- 33                                 |     |                  |     |                        |                        |                |
| 1276606 MATHIS ADMIRAL CRESCENT F08ES..... |     |                  |     |                        |                        |                |
| 12-05-55 1126759 3290232                   | 16  | NON-AI DAUGHTERS | 16  | 16,919 3.0 509         |                        |                |
| LISTED, 03-64                              | 16  | WITH HERD-MATES  | 16  | 16,919 3.0 509         | 46 DIFF. 15,168 1751   | 470 39         |
| STATES- 57                                 |     |                  |     |                        |                        |                |
| 1276704 VAN 8 COMMANDER.....               |     |                  |     |                        |                        |                |
| 08-20-52 1063550 3235268                   | 8   | NON-AI DAUGHTERS | 13  | 12,568 3.6 455         |                        |                |
| STATES- 51,52                              | 8   | WITH HERD-MATES  | 13  | 12,568 3.6 455         | 30 DIFF. 12,523 45     | 456 1-         |
| 1276851 MILSONS DESIGN.....                |     |                  |     |                        |                        |                |
| 09-17-55 1053895 3313300                   | 9   | NON-AI DAUGHTERS | 17  | 12,709 3.8 478         |                        |                |
| STATES- 34                                 | 9   | WITH HERD-MATES  | 17  | 12,709 3.8 478         | 10 DIFF. 13,320 611-   | 490 12-        |
| 1276888 MAVIEW CARROLL DIRECT HEARTY.....  |     |                  |     |                        |                        |                |
| 04-06-56 928378 2874902                    | 278 | AI DAUGHTERS-25* | 396 | 14,276 3.8 547         |                        |                |
| AI STUD, 23-04 LISTED, 05-64               | 277 | WITH HERD-MATES  | 392 | 14,275 3.8 547         | 17 DIFF. 13,703 572    | 517 13,131 489 |
| STATES- 21,22,23                           |     |                  |     |                        |                        |                |
|  | 1   | NON-AI DAUGHTERS | 1   | 15,030 4.0 603         |                        |                |
|  | 1   | WITH HERD-MATES  | 1   | 15,030 4.0 603         | 18 DIFF. 14,848 182    | 598 5          |
| 1276907 MAC RAE VALLEYREST TRAILWOOD.....  |     |                  |     |                        |                        |                |
| 02-09-56 1212906 3663256                   | 8   | NON-AI DAUGHTERS | 13  | 12,862 3.6 463         |                        |                |
| LISTED, 08-62                              | 8   | WITH HERD-MATES  | 13  | 12,862 3.6 463         | 5 DIFF. 11,818 1044    | 455 8          |
| STATES- 34                                 |     |                  |     |                        |                        |                |
| 1277078 HIGHFIELD GLENAPPLE MASTER.....    |     |                  |     |                        |                        |                |
| 03-09-56 1129095 3232363                   | 6   | NON-AI DAUGHTERS | 7   | 11,229 4.2 469         |                        |                |
| LISTED, 05-64                              | 6   | WITH HERD-MATES  | 7   | 11,229 4.2 469         | 34 DIFF. 12,014 785-   | 441 28         |
| STATES- 13,14                              |     |                  |     |                        |                        |                |
| 1277213 PRINCE X. GYPSIE LEADER.....       |     |                  |     |                        |                        |                |
| 11-24-55 1195221 3774745                   | 28  | NON-AI DAUGHTERS | 58  | 14,708 4.1 606         |                        |                |
| AI STUD, 35-75 LISTED, 05-64               | 28  | WITH HERD-MATES  | 55  | 14,840 4.1 611         | 6 DIFF. 13,624 1216    | 511 100        |
| STATES- 41                                 |     |                  |     |                        |                        |                |
| 1277301 ADMIRAL FAIRWOOD MASTER OKAT.....  |     |                  |     |                        |                        |                |
| 11-08-55 2895377 2895377                   | 12  | NON-AI DAUGHTERS | 17  | 12,484 3.9 490         |                        |                |
| LISTED, 11-63                              | 12  | WITH HERD-MATES  | 17  | 12,484 3.9 490         | 7 DIFF. 12,263 221     | 459 31         |
| STATES- 23                                 |     |                  |     |                        |                        |                |
| 1277337 EDNACHESTER GLENAFTON DEAN.....    |     |                  |     |                        |                        |                |
| 11-28-55 1241458 3289200                   | 14  | NON-AI DAUGHTERS | 22  | 14,612 4.0 582         |                        |                |
| AI STUD, 12-03 LISTED, 03-64               | 14  | WITH HERD-MATES  | 22  | 14,612 4.0 582         | 18 DIFF. 14,930 318-   | 563 19         |
| STATES- 52                                 |     |                  |     |                        |                        |                |
| 1277342 PRINCE CHARLES OF SUNNYSIDE.....   |     |                  |     |                        |                        |                |
| 12-17-54 1130280 3278551                   | 8   | NON-AI DAUGHTERS | 13  | 12,883 3.4 440         |                        |                |
| LISTED, 08-63                              | 8   | WITH HERD-MATES  | 13  | 12,883 3.4 440         | 10 DIFF. 11,912 971    | 425 15         |
| STATES- 41                                 |     |                  |     |                        |                        |                |
| 1277493 GLENAFTON JESTER.....              |     |                  |     |                        |                        |                |
| 01-03-55 010239301 010800559               | 103 | AI DAUGHTERS-25* | 108 | 14,209 3.5 504         |                        |                |
| AI STUD, 35-03 LISTED, 05-64               | 102 | WITH HERD-MATES  | 106 | 14,278 3.6 507         | 15 DIFF. 13,678 600    | 496 13,113 468 |
| STATES- 33,34,35,41,61,74                  |     |                  |     |                        |                        |                |
|  | 19  | NON-AI DAUGHTERS | 42  | 13,305 3.7 495         |                        |                |
|  | 19  | WITH HERD-MATES  | 42  | 13,305 3.7 495         | 12 DIFF. 12,478 827    | 463 32         |
| 1277619 CARNATION MADCAP GRANDIER.....     |     |                  |     |                        |                        |                |
| 01-04-56 1152252 3339580                   | 551 | AI DAUGHTERS-25* | 832 | 14,562 3.6 518         |                        |                |
| AI STUD, 91-01 LISTED, 05-64               | 505 | WITH HERD-MATES  | 767 | 14,590 3.6 518         | 18 DIFF. 14,196 394    | 512 13,020 467 |
| STATES- 81,82,91,92                        |     |                  |     |                        |                        |                |

## SIREs OF OHIA DAUGHTERS

| HDLSTEIN   | AV. PRDUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--|-----------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|  | RECORDS<br>NUMBER     | MILK<br>L8 | TEST<br>% | FAT<br>L8 | NUMBER              | MILK<br>L8 | FAT<br>L8 | MILK<br>L8    | FAT<br>L8 |
| 1277644 DIC BURKE ADMIRAL.....                   |                       |            |           |           |                     |            |           |               |           |
| 10-20-55 988614 3470435 15 NDN-AI DAUGHTERS      | 16                    | 13,771     | 3.7       | 504       |                     |            |           |               |           |
| LISTED, 03-64 15 WITH HERD-MATES                 | 16                    | 13,771     | 3.7       | 504       |                     |            |           |               |           |
| STATES- 35                                       |                       |            |           |           | 11                  | 12,610     | 485       |               |           |
|  |                       |            |           |           | DIFF.               | 1161       | 19        |               |           |
| 1277653 CHAIRALANE R. A. TRANSMITTER.....        |                       |            |           |           |                     |            |           |               |           |
| 11-18-55 1024453 2909445 38 NDN-AI DAUGHTERS     | 78                    | 14,334     | 3.9       | 556       |                     |            |           |               |           |
| AI STUD, 35-75 LISTED, 05-64 38 WITH HERD-MATES  | 78                    | 14,334     | 3.9       | 556       |                     |            |           |               |           |
| STATES- 82,91                                    |                       |            |           |           | 20                  | 14,073     | 554       |               |           |
|  |                       |            |           |           | DIFF.               | 261        | 2         |               |           |
| 1277664 ST CRDIXCO INKA - TWIN.....              |                       |            |           |           |                     |            |           |               |           |
| 01-19-56 1213880 3104022 18 NDN-AI DAUGHTERS     | 26                    | 10,098     | 3.7       | 371       |                     |            |           |               |           |
| LISTED, 03-64 18 WITH HERD-MATES                 | 26                    | 10,098     | 3.7       | 371       |                     |            |           |               |           |
| STATES- 35                                       |                       |            |           |           | 13                  | 10,618     | 376       |               |           |
|  |                       |            |           |           | DIFF.               | 520-       | 5-        |               |           |
| 1277832 .....                                    |                       |            |           |           |                     |            |           |               |           |
| 6 NDN-AI DAUGHTERS                               | 9                     | 14,145     | 3.9       | 549       |                     |            |           |               |           |
| STATES- 32,33,65 6 WITH HERD-MATES               | 9                     | 14,145     | 3.9       | 549       |                     |            |           |               |           |
|  |                       |            |           |           | 14                  | 12,718     | 470       |               |           |
|  |                       |            |           |           | DIFF.               | 1427       | 79        |               |           |
| 1277901 BLUE PLATD DEAN FRANCIS.....             |                       |            |           |           |                     |            |           |               |           |
| 03-01-56 1187496 3463302 16 NDN-AI DAUGHTERS     | 18                    | 11,240     | 3.6       | 409       |                     |            |           |               |           |
| LISTED, 11-63 16 WITH HERD-MATES                 | 18                    | 11,240     | 3.6       | 409       |                     |            |           |               |           |
| STATES- 21                                       |                       |            |           |           | 48                  | 11,991     | 431       |               |           |
|  |                       |            |           |           | DIFF.               | 751-       | 22-       |               |           |
| 1277902 BLUE PLATD DEAN MONRDE.....              |                       |            |           |           |                     |            |           |               |           |
| 03-12-56 1187496 3484843 16 NDN-AI DAUGHTERS     | 16                    | 8,791      | 3.5       | 304       |                     |            |           |               |           |
| LISTED, 05-64 16 WITH HERD-MATES                 | 16                    | 8,791      | 3.5       | 304       |                     |            |           |               |           |
| STATES- 21                                       |                       |            |           |           | 12                  | 11,323     | 380       |               |           |
|  |                       |            |           |           | DIFF.               | 2532-      | 76-       |               |           |
| 1277922 SEILING REFELECTION ECHD.....            |                       |            |           |           |                     |            |           |               |           |
| 07-05-55 010198998 010732285 20 NDN-AI DAUGHTERS | 44                    | 13,128     | 3.7       | 484       |                     |            |           |               |           |
| LISTED, 08-62 20 WITH HERD-MATES                 | 44                    | 13,128     | 3.7       | 484       |                     |            |           |               |           |
| STATES- 21                                       |                       |            |           |           | 18                  | 13,602     | 497       |               |           |
|  |                       |            |           |           | DIFF.               | 474-       | 13-       |               |           |
| 1278030 .....                                    |                       |            |           |           |                     |            |           |               |           |
| 10 NDN-AI DAUGHTERS                              | 21                    | 12,755     | 3.7       | 471       |                     |            |           |               |           |
| STATES- 21 10 WITH HERD-MATES                    | 21                    | 12,755     | 3.7       | 471       |                     |            |           |               |           |
|  |                       |            |           |           | 18                  | 14,397     | 527       |               |           |
|  |                       |            |           |           | DIFF.               | 1642-      | 56-       |               |           |
| 1278054 NDWISCO PROGRESSDR BUD.....              |                       |            |           |           |                     |            |           |               |           |
| 02-10-56 1085852 2864587 17 NON-AI DAUGHTERS     | 17                    | 13,613     | 3.1       | 425       |                     |            |           |               |           |
| LISTED, 03-64 17 WITH HERD-MATES                 | 17                    | 13,613     | 3.1       | 425       |                     |            |           |               |           |
| STATES- 35                                       |                       |            |           |           | 7                   | 13,205     | 459       |               |           |
|  |                       |            |           |           | DIFF.               | 408        | 34-       |               |           |
| 1278125 .....                                    |                       |            |           |           |                     |            |           |               |           |
| 5 NDN-AI DAUGHTERS                               | 11                    | 11,689     | 4.0       | 471       |                     |            |           |               |           |
| STATES- 23 5 WITH HERD-MATES                     | 11                    | 11,689     | 4.0       | 471       |                     |            |           |               |           |
|  |                       |            |           |           | 14                  | 12,829     | 469       |               |           |
|  |                       |            |           |           | DIFF.               | 1140-      | 2         |               |           |
| 1278218 CEDARDALE RAG APPLE COUNT.....           |                       |            |           |           |                     |            |           |               |           |
| 11-16-55 1162319 3502295 24 NDN-AI DAUGHTERS     | 27                    | 11,803     | 3.5       | 414       |                     |            |           |               |           |
| LISTED, 11-63 24 WITH HERD-MATES                 | 27                    | 11,803     | 3.5       | 414       |                     |            |           |               |           |
| STATES- 13,16                                    |                       |            |           |           | 26                  | 12,113     | 429       |               |           |
|  |                       |            |           |           | DIFF.               | 310-       | 15-       |               |           |
| 1278355 LINDSAY ACRES MASTERPIECE.....           |                       |            |           |           |                     |            |           |               |           |
| 03-18-56 1189017 3852377 29 NDN-AI DAUGHTERS     | 51                    | 11,076     | 3.9       | 427       |                     |            |           |               |           |
| LISTED, 08-63 29 WITH HERD-MATES                 | 50                    | 11,078     | 3.9       | 427       |                     |            |           |               |           |
| STATES- 11                                       |                       |            |           |           | 28                  | 12,755     | 496       |               |           |
|  |                       |            |           |           | DIFF.               | 1677-      | 69-       |               |           |
| 1278447 .....                                    |                       |            |           |           |                     |            |           |               |           |
| 7 NON-AI DAUGHTERS                               | 7                     | 13,310     | 3.6       | 474       |                     |            |           |               |           |
| STATES- 51 7 WITH HERD-MATES                     | 7                     | 13,310     | 3.6       | 474       |                     |            |           |               |           |
|  |                       |            |           |           | 56                  | 13,637     | 490       |               |           |
|  |                       |            |           |           | DIFF.               | 327-       | 16-       |               |           |
| 1278459 LDNELM TEXAL DIAMDND.....                |                       |            |           |           |                     |            |           |               |           |
| 11-21-53 010160321 010800047 7 AI DAUGHTERS-07   | 7                     | 10,783     | 3.3       | 360       |                     |            |           |               |           |
| AI STUD, 42-02 LISTED, 05-64 7 WITH HERD-MATES   | 7                     | 10,783     | 3.3       | 360       |                     |            |           |               |           |
| STATES- 33,35,42,87                              |                       |            |           |           | 9                   | 11,858     | 444       | 12,062        | 424       |
|  |                       |            |           |           | DIFF.               | 1075-      | 84-       |               |           |
|  |                       |            |           |           | 13                  | 14,100     | 510       |               |           |
|  |                       |            |           |           | DIFF.               | 724-       | 23-       |               |           |
| 1278488 JUBILEE DE GRAND CMET - TWIN.....        |                       |            |           |           |                     |            |           |               |           |
| 11-20-55 1115946 3505060 9 NDN-AI DAUGHTERS      | 9                     | 13,474     | 3.7       | 503       |                     |            |           |               |           |
| LISTED, 11-63 9 WITH HERD-MATES                  | 9                     | 13,474     | 3.7       | 503       |                     |            |           |               |           |
| STATES- 32,34                                    |                       |            |           |           | 40                  | 13,132     | 500       |               |           |
|  |                       |            |           |           | DIFF.               | 342        | 3         |               |           |
| 1278536 ROMEO ELI PA8ST TIDY.....                |                       |            |           |           |                     |            |           |               |           |
| 09-13-55 1183501 3031820 12 NDN-AI DAUGHTERS     | 37                    | 13,109     | 4.2       | 555       |                     |            |           |               |           |
| STATES- 33 12 WITH HERD-MATES                    | 34                    | 13,401     | 4.2       | 563       |                     |            |           |               |           |
|  |                       |            |           |           | 6                   | 12,931     | 500       |               |           |
|  |                       |            |           |           | DIFF.               | 470        | 63        |               |           |
| 1278549 FLYING CLDUD TIDY PRIDE.....             |                       |            |           |           |                     |            |           |               |           |
| 05-01-56 1140998 3037368 28 NDN-AI DAUGHTERS     | 58                    | 13,843     | 3.6       | 505       |                     |            |           |               |           |
| STATES- 16,21 28 WITH HERD-MATES                 | 57                    | 13,824     | 3.6       | 504       |                     |            |           |               |           |
|  |                       |            |           |           | 27                  | 12,604     | 464       |               |           |
|  |                       |            |           |           | DIFF.               | 1220       | 40        |               |           |
| 1278580 WALDD-D-MAR BLACK GDLD.....              |                       |            |           |           |                     |            |           |               |           |
| 08-26-55 1192826 2829687 8 NDN-AI DAUGHTERS      | 23                    | 12,503     | 3.9       | 485       |                     |            |           |               |           |
| STATES- 33 8 WITH HERD-MATES                     | 23                    | 12,503     | 3.9       | 485       |                     |            |           |               |           |
|  |                       |            |           |           | 22                  | 11,993     | 459       |               |           |
|  |                       |            |           |           | DIFF.               | 510        | 26        |               |           |
| 1278590 .....                                    |                       |            |           |           |                     |            |           |               |           |
| 5 NON-AI DAUGHTERS                               | 9                     | 11,494     | 3.2       | 369       |                     |            |           |               |           |
| STATES- 31 3 WITH HERD-MATES                     | 7                     | 10,330     | 3.6       | 373       |                     |            |           |               |           |
|  |                       |            |           |           | 9                   | 12,914     | 456       |               |           |
|  |                       |            |           |           | DIFF.               | 2584-      | 83-       |               |           |
| 1278618 FRADAVEN G T FRANK.....                  |                       |            |           |           |                     |            |           |               |           |
| 01-15-56 1183734 3036164 5 NON-AI DAUGHTERS      | 6                     | 14,214     | 3.5       | 503       |                     |            |           |               |           |
| LISTED, 05-64 5 WITH HERD-MATES                  | 6                     | 14,214     | 3.5       | 503       |                     |            |           |               |           |
| STATES- 22                                       |                       |            |           |           | 24                  | 13,087     | 462       |               |           |
|  |                       |            |           |           | DIFF.               | 1127       | 41        |               |           |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN   | AV. PRDUCTION OF DAU. | ADJ. HERD-MATES  | AV. PREDICTED |
|--|-----------------------|------------------|---------------|
| RECORDS MILK TEST FAT                            | AV. MILK FAT          | MILK FAT         | MILK FAT      |
| NUMBER LB % LB                                   | NUMBER LB             | NUMBER LB        | NUMBER LB     |
| 1278644 SIR SEELEY ADANTHA GENE.....             |                       |                  |               |
| 03-27-56 846425 3304894 114 AI DAUGHTERS-25*     | 221 14,918 3.5 519    |                  |               |
| AI STUD, 21-01 LISTED, 05-64 107 WITH HERD-MATES | 213 14,867 3.5 517    | 22 13,468 490    | 13,805 482    |
| STATES- 13,21,23                                 |                       | DIFF. 1399 27    |               |
| 1 NDN-AI DAUGHTERS                               | 1 12,430 3.3 412      | 9 10,721 391     |               |
| 1 WITH HERD-MATES                                | 1 12,430 3.3 412      | DIFF. 1709 21    |               |
| 1278689 CREATION RDAMER PRDSPECTOR.....          |                       |                  |               |
| 09-29-55 1221764 3643214 11 NDN-AI DAUGHTERS     | 16 15,287 3.5 531     |                  |               |
| LISTED, 11-63 11 WITH HERD-MATES                 | 16 15,287 3.5 531     | 12 13,713 507    |               |
| STATES- 41                                       |                       | DIFF. 1574 24    |               |
| 1278914 CLANYARD ANTHONY TDP HAVEN.....          |                       |                  |               |
| 01-01-56 1122159 2845888 25 NDN-AI DAUGHTERS     | 37 14,232 3.7 521     |                  |               |
| STATES- 33 25 WITH HERD-MATES                    | 37 14,232 3.7 521     | 42 13,806 517    |               |
|  |                       | DIFF. 426 4      |               |
| 1279158 WIS DDU8LE LEADER.....                   |                       |                  |               |
| 05-14-56 1192327 3612218 23 NDN-AI DAUGHTERS     | 30 15,733 3.9 613     |                  |               |
| LISTED, 11-63 23 WITH HERD-MATES                 | 29 15,777 3.9 615     | 6 15,651 590     |               |
| STATES- 47                                       |                       | DIFF. 126 25     |               |
| 1279168 .....                                    |                       |                  |               |
| 11 NDN-AI DAUGHTERS                              | 12 10,361 3.8 391     |                  |               |
| STATES- 23 11 WITH HERD-MATES                    | 12 10,361 3.8 391     | 4 14,181 493     |               |
|  |                       | DIFF. 3820- 102- |               |
| 1279190 WILLARDS HOMESTEAD REVELATION.....       |                       |                  |               |
| 11-26-54 1001768 3265865 44 NDN-AI DAUGHTERS     | 64 11,756 3.6 418     |                  |               |
| LISTED, 08-63 44 WITH HERD-MATES                 | 63 11,730 3.6 417     | 8 12,151 424     |               |
| STATES- 23,35,42,72,74                           |                       | DIFF. 421- 7-    |               |
| 1279258 PERKINS ADMIRAL KING FD8ES.....          |                       |                  |               |
| 09-29-55 1107995 3378856 9 NDN-AI DAUGHTERS      | 10 12,843 3.8 487     |                  |               |
| LISTED, 11-63 9 WITH HERD-MATES                  | 10 12,843 3.8 487     | 15 13,955 506    |               |
| STATES- 32                                       |                       | DIFF. 1112- 19-  |               |
| 1279330 .....                                    |                       |                  |               |
| 5 NDN-AI DAUGHTERS                               | 6 13,145 3.5 462      |                  |               |
| STATES- 41 5 WITH HERD-MATES                     | 6 13,145 3.5 462      | 8 12,572 441     |               |
|  |                       | DIFF. 573 21     |               |
| 1279408 CYCLONE DELLA LASS.....                  |                       |                  |               |
| 05-24-54 885830 2415016 40 NDN-AI DAUGHTERS      | 57 14,877 3.6 543     |                  |               |
| AI STUD, 35-02 LISTED, 05-64 40 WITH HERD-MATES  | 57 14,877 3.6 543     | 25 15,019 539    |               |
| STATES- 23,32,35,74,86                           |                       | DIFF. 142- 4     |               |
| 1279422 .....                                    |                       |                  |               |
| 5 NDN-AI DAUGHTERS                               | 5 11,612 3.6 417      |                  |               |
| STATES- 57 5 WITH HERD-MATES                     | 5 11,612 3.6 417      | 24 11,494 421    |               |
|  |                       | DIFF. 118 4-     |               |
| 1279466 WDD88DURNE FAMILY MAN.....               |                       |                  |               |
| 01-08-56 1007680 3221337 51 AI DAUGHTERS-25*     | 83 13,095 3.6 470     |                  |               |
| AI STUD, 23-06 LISTED, 01-63 51 WITH HERD-MATES  | 83 13,095 3.6 470     | 26 13,905 511    | 11,937 427    |
| STATES- 16,21,22,23,41,52,55, 56                 |                       | DIFF. 810- 41-   |               |
| 2 NDN-AI DAUGHTERS                               | 4 9,677 3.6 348       | 33 10,919 403    |               |
| 2 WITH HERD-MATES                                | 4 9,677 3.6 348       | DIFF. 1242- 55-  |               |
| 1279619 BURKE WINTERTHUR DRMS8Y.....             |                       |                  |               |
| 04-17-54 904220 3011060 18 NDN-AI DAUGHTERS      | 22 8,875 3.6 317      |                  |               |
| LISTED, 08-63 17 WITH HERD-MATES                 | 21 8,881 3.6 317      | 5 9,840 338      |               |
| STATES- 57,91                                    |                       | DIFF. 959- 21-   |               |
| 1279628 .....                                    |                       |                  |               |
| 8 NDN-AI DAUGHTERS                               | 8 12,299 3.9 474      |                  |               |
| STATES- 31 8 WITH HERD-MATES                     | 8 12,299 3.9 474      | 3 11,266 423     |               |
|  |                       | DIFF. 1033 51    |               |
| 1279641 CARNATION MADCAP INTRIGER.....           |                       |                  |               |
| 01-22-56 1152252 3700611 337 AI DAUGHTERS-25*    | 599 13,723 3.6 488    |                  |               |
| AI STUD, 35-03 LISTED, 05-64 335 WITH HERD-MATES | 593 13,731 3.6 488    | 15 13,356 486    | 12,915 460    |
| STATES- 31,33,34,35,43,51,61, 63,74,86,87,91     |                       | DIFF. 375 2      |               |
| 1279647 AIR VIEW T M DRMS8Y KING.....            |                       |                  |               |
| 09-13-55 1199300 2994100 20 NDN-AI DAUGHTERS     | 26 13,831 3.6 493     |                  |               |
| LISTED, 03-64 20 WITH HERD-MATES                 | 25 13,656 3.6 488     | 24 14,048 499    |               |
| STATES- 34                                       |                       | DIFF. 392- 11-   |               |
| 1279715 FOUR PINES ESTER BURKE P.....            |                       |                  |               |
| 02-29-56 1167507 3098036 56 NDN-AI DAUGHTERS     | 95 11,779 3.8 448     |                  |               |
| LISTED, 08-63 56 WITH HERD-MATES                 | 95 11,779 3.8 448     | 17 12,841 459    |               |
| STATES- 41,45                                    |                       | DIFF. 1062- 11-  |               |
| 1279723 HILL TDP HAVEN SIR TY VIC.....           |                       |                  |               |
| 02-01-56 923749 2425520 750 AI DAUGHTERS-25*     | 1345 12,621 3.9 490   |                  |               |
| AI STUD, 23-02 LISTED, 05-64 748 WITH HERD-MATES | 1336 12,618 3.9 490   | 13 13,293 491    | 11,890 458    |
| STATES- 23,52                                    |                       | DIFF. 675- 1-    |               |
| 2 NDN-AI DAUGHTERS                               | 2 12,925 3.5 450      | 9 11,517 425     |               |
| 2 WITH HERD-MATES                                | 2 12,925 3.5 450      | DIFF. 1408 25    |               |
| 1279753 STEILACDDM RD8LES DDMIND.....            |                       |                  |               |
| 12-06-55 1191101 3411121 22 NDN-AI DAUGHTERS     | 30 18,541 3.0 564     |                  |               |
| LISTED, 08-63 22 WITH HERD-MATES                 | 30 18,541 3.0 564     | 31 17,825 528    |               |
| STATES- 91                                       |                       | DIFF. 716 36     |               |
| 1279776 PAGANDK PATRIDT.....                     |                       |                  |               |
| 06-29-56 1219042 3441853 10 NDN-AI DAUGHTERS     | 20 14,033 3.5 490     |                  |               |
| LISTED, 11-63 10 WITH HERD-MATES                 | 18 14,095 3.5 496     | 10 13,902 506    |               |
| STATES- 43,46                                    |                       | DIFF. 193 10-    |               |





## SIRE OF OHIA DAUGHTERS

| HOLSTEIN |                                   |     |                  |     | AV. PRODUCTION OF | DAU. | AOJ. HERO-MATES | AV.   | PREDICTED | AV.        |
|----------|-----------------------------------|-----|------------------|-----|-------------------|------|-----------------|-------|-----------|------------|
|          |                                   |     |                  |     | RECORDS           | MILK | TEST            | FAT   | MILK      | FAT        |
|          |                                   |     |                  |     | NUMBER            | L8   | %               | L8    | NUMBER    | L8         |
| 1281132  | CHERRYBOLD ARISTOCRAT JAKE.....   |     |                  |     |                   |      |                 |       |           |            |
| 03-18-56 | 1083738 3842151                   | 18  | NON-AI DAUGHTERS | 26  | 12,038            | 3.8  | 455             |       |           |            |
|          | LISTED, 08-63                     | 18  | WITH HERD-MATES  | 26  | 12,038            | 3.8  | 455             |       |           |            |
| STATES-  | 22,34,35,63                       |     |                  |     |                   |      |                 | 11    | 13,836    | 513        |
|          |                                   |     |                  |     |                   |      |                 | DIFF. | 1798-     | 58-        |
| 1281179  | .....                             |     |                  |     |                   |      |                 |       |           |            |
|          |                                   | 5   | NON-AI DAUGHTERS | 9   | 13,291            | 3.8  | 502             |       |           |            |
| STATES-  | 31                                | 5   | WITH HERD-MATES  | 9   | 13,291            | 3.8  | 502             | 13    | 13,260    | 465        |
|          |                                   |     |                  |     |                   |      |                 | DIFF. | 31        | 37         |
| 1281233  | UNH ORILLMASTER.....              |     |                  |     |                   |      |                 |       |           |            |
| 04-24-56 | 1181068 3361804                   | 15  | NON-AI DAUGHTERS | 21  | 12,205            | 3.5  | 429             |       |           |            |
|          | LISTED, 03-64                     | 15  | WITH HERD-MATES  | 21  | 12,205            | 3.5  | 429             | 19    | 12,517    | 455        |
| STATES-  | 35,42                             |     |                  |     |                   |      |                 | DIFF. | 312-      | 26-        |
| 1281251  | WILLOW FARM ORMSBY PRESIDENT..... |     |                  |     |                   |      |                 |       |           |            |
| 12-25-55 | 1211384 2592287                   | 23  | NON-AI DAUGHTERS | 35  | 12,333            | 3.8  | 463             |       |           |            |
| STATES-  | 14,15,16                          | 23  | WITH HERD-MATES  | 32  | 12,123            | 3.7  | 454             | 11    | 11,895    | 440        |
|          |                                   |     |                  |     |                   |      |                 | DIFF. | 228       | 14         |
| 1281300  | O I PABEMP GOV ALGY.....          |     |                  |     |                   |      |                 |       |           |            |
| 01-30-55 | 975138 3507143                    | 10  | AI DAUGHTERS-08  | 15  | 12,745            | 3.4  | 429             |       |           |            |
| AI STUD, | 72-01 LISTED, 05-64               | 10  | WITH HERD-MATES  | 15  | 12,745            | 3.4  | 429             | 29    | 11,982    | 414        |
| STATES-  | 51,72,74                          |     |                  |     |                   |      |                 | DIFF. | 763       | 15         |
|          |                                   | 1   | NON-AI DAUGHTERS | 3   | 15,760            | 4.0  | 637             |       |           |            |
|          |                                   | 1   | WITH HERD-MATES  | 3   | 15,760            | 4.0  | 637             | 31    | 12,745    | 484        |
|          |                                   |     |                  |     |                   |      |                 | DIFF. | 3015      | 153        |
| 1281466  | LUXANA IDEAL.....                 |     |                  |     |                   |      |                 |       |           |            |
| 03-27-56 | 1013415 2741613                   | 9   | NON-AI DAUGHTERS | 17  | 16,113            | 3.4  | 544             |       |           |            |
| AI STUD, | 34-01 LISTED, 03-64               | 9   | WITH HERD-MATES  | 17  | 16,113            | 3.4  | 544             | 10    | 15,055    | 537        |
| STATES-  | 34                                |     |                  |     |                   |      |                 | DIFF. | 1058      | 7          |
| 1281479  | B. D. I. LUSOVAUTO G LAD.....     |     |                  |     |                   |      |                 |       |           |            |
| 02-18-56 | 769170 3865935                    | 87  | AI DAUGHTERS-25* | 146 | 13,363            | 4.0  | 540             |       |           |            |
| AI STUD, | 12-03 LISTED, 05-64               | 87  | WITH HERD-MATES  | 145 | 13,353            | 4.0  | 540             | 16    | 13,038    | 498        |
| STATES-  | 11,12,13,14                       |     |                  |     |                   |      |                 | DIFF. | 315       | 42         |
|          |                                   |     |                  |     |                   |      |                 |       |           | 12,795 495 |
| 1281628  | ELLBANK JULE KING ADMIRAL.....    |     |                  |     |                   |      |                 |       |           |            |
| 11-20-55 | 1189195 3472936                   | 27  | NON-AI DAUGHTERS | 36  | 15,549            | 3.6  | 556             |       |           |            |
| AI STUD, | 31-01 LISTED, 03-64               | 27  | WITH HERD-MATES  | 36  | 15,549            | 3.6  | 556             | 23    | 15,043    | 551        |
| STATES-  | 21                                |     |                  |     |                   |      |                 | DIFF. | 506       | 5          |
| 1281704  | .....                             |     |                  |     |                   |      |                 |       |           |            |
|          |                                   | 9   | NON-AI DAUGHTERS | 19  | 14,532            | 3.5  | 510             |       |           |            |
| STATES-  | 32                                | 9   | WITH HERD-MATES  | 18  | 14,663            | 3.5  | 514             | 14    | 13,972    | 517        |
|          |                                   |     |                  |     |                   |      |                 | DIFF. | 691       | 3-         |
| 1281750  | MARTY ROCK DUKE.....              |     |                  |     |                   |      |                 |       |           |            |
| 11-08-55 | 959406 3877723                    | 8   | NON-AI DAUGHTERS | 8   | 12,601            | 4.0  | 506             |       |           |            |
|          | LISTED, 05-64                     | 8   | WITH HERD-MATES  | 8   | 12,601            | 4.0  | 506             | 8     | 12,800    | 498        |
| STATES-  | 41,46                             |     |                  |     |                   |      |                 | DIFF. | 199-      | 8          |
| 1281759  | DUKE ADMIRAL FISHER.....          |     |                  |     |                   |      |                 |       |           |            |
| 04-20-56 | 1123410 3157687                   | 11  | NON-AI DAUGHTERS | 14  | 13,830            | 3.7  | 517             |       |           |            |
|          | LISTED, 11-63                     | 11  | WITH HERD-MATES  | 14  | 13,830            | 3.7  | 517             | 7     | 13,151    | 469        |
| STATES-  | 32                                |     |                  |     |                   |      |                 | DIFF. | 679       | 48         |
| 1281820  | MERCEDES POSCH INKA LAD.....      |     |                  |     |                   |      |                 |       |           |            |
| 01-26-56 | 874306 3638379                    | 13  | NON-AI DAUGHTERS | 27  | 12,089            | 4.1  | 494             |       |           |            |
|          | LISTED, 08-62                     | 13  | WITH HERD-MATES  | 27  | 12,089            | 4.1  | 494             | 14    | 12,010    | 466        |
| STATES-  | 51                                |     |                  |     |                   |      |                 | DIFF. | 79        | 28         |
| 1281851  | .....                             |     |                  |     |                   |      |                 |       |           |            |
|          |                                   | 14  | NON-AI DAUGHTERS | 14  | 15,671            | 3.4  | 537             |       |           |            |
| STATES-  | 93                                | 14  | WITH HERD-MATES  | 14  | 15,671            | 3.4  | 537             | 123   | 15,722    | 540        |
|          |                                   |     |                  |     |                   |      |                 | DIFF. | 51-       | 3-         |
| 1281871  | PRINCE BESSIE G HEAD.....         |     |                  |     |                   |      |                 |       |           |            |
| 03-24-54 | 1084392 2575162                   | 11  | NON-AI DAUGHTERS | 16  | 12,221            | 3.4  | 421             |       |           |            |
|          | LISTED, 11-63                     | 11  | WITH HERD-MATES  | 16  | 12,221            | 3.4  | 421             | 18    | 12,096    | 417        |
| STATES-  | 71                                |     |                  |     |                   |      |                 | DIFF. | 125       | 4          |
| 1281874  | BRADY BURKE ORMSBY.....           |     |                  |     |                   |      |                 |       |           |            |
| 03-09-56 | 1013415 3704891                   | 77  | AI DAUGHTERS-25* | 129 | 11,971            | 3.6  | 425             |       |           |            |
| AI STUD, | 48-01 LISTED, 05-64               | 75  | WITH HERD-MATES  | 127 | 11,959            | 3.6  | 426             | 11    | 12,209    | 436        |
| STATES-  | 43,48,71                          |     |                  |     |                   |      |                 | DIFF. | 250-      | 10-        |
|          |                                   | 1   | NON-AI DAUGHTERS | 4   | 17,105            | 3.2  | 551             |       |           |            |
|          |                                   | 1   | WITH HERD-MATES  | 4   | 17,105            | 3.2  | 551             | 11    | 14,533    | 506        |
|          |                                   |     |                  |     |                   |      |                 | DIFF. | 2572      | 45         |
| 1282119  | MARYSFARM PEGGY GOLO.....         |     |                  |     |                   |      |                 |       |           |            |
| 01-02-56 | 954675 3337802                    | 9   | NON-AI DAUGHTERS | 13  | 14,228            | 4.2  | 594             |       |           |            |
|          | LISTED, 03-64                     | 9   | WITH HERD-MATES  | 13  | 14,228            | 4.2  | 594             | 27    | 15,308    | 593        |
| STATES-  | 52,55                             |     |                  |     |                   |      |                 | DIFF. | 1080-     | 1          |
| 1282127  | ARWYN STRATHMORE GEORGE.....      |     |                  |     |                   |      |                 |       |           |            |
| 03-01-56 | 1116198 3530933                   | 8   | AI DAUGHTERS-07  | 8   | 13,729            | 3.7  | 502             |       |           |            |
| AI STUD, | 35-04 LISTED, 05-64               | 8   | WITH HERD-MATES  | 8   | 13,729            | 3.7  | 502             | 10    | 13,881    | 497        |
| STATES-  | 31,35,61                          |     |                  |     |                   |      |                 | DIFF. | 152-      | 5          |
|          |                                   | 14  | NON-AI DAUGHTERS | 25  | 15,418            | 3.6  | 559             |       |           |            |
|          |                                   | 14  | WITH HERD-MATES  | 25  | 15,418            | 3.6  | 559             | 20    | 14,891    | 546        |
|          |                                   |     |                  |     |                   |      |                 | DIFF. | 527       | 13         |
| 1282134  | ORMSBY FORBES BURKE DUKE.....     |     |                  |     |                   |      |                 |       |           |            |
| 02-21-56 | 1212739 3558760                   | 8   | NON-AI DAUGHTERS | 12  | 13,394            | 3.3  | 439             |       |           |            |
|          | LISTED, 01-63                     | 8   | WITH HERD-MATES  | 12  | 13,394            | 3.3  | 439             | 55    | 13,015    | 433        |
| STATES-  | 74                                |     |                  |     |                   |      |                 | DIFF. | 379       | 6          |
| 1282185  | SKOKIE GLAMOUR BOY.....           |     |                  |     |                   |      |                 |       |           |            |
| 11-02-55 | 1038509 3809891                   | 264 | AI DAUGHTERS-25* | 270 | 14,285            | 3.6  | 520             |       |           |            |
| AI STUD, | 33-01 LISTED, 05-64               | 261 | WITH HERD-MATES  | 267 | 14,351            | 3.6  | 522             | 14    | 13,385    | 497        |
| STATES-  | 21,33,34,35,42,57,63              |     |                  |     |                   |      |                 | DIFF. | 966       | 25         |
|          |                                   | 8   | NON-AI DAUGHTERS | 11  | 12,777            | 3.7  | 470             |       |           |            |
|          |                                   | 8   | WITH HERD-MATES  | 11  | 12,777            | 3.7  | 470             | 17    | 11,879    | 431        |
|          |                                   |     |                  |     |                   |      |                 | DIFF. | 898       | 39         |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF |        |      |     | DAU. | ADJ.   | HERO-MATES       | AV. | PREDICTED | AV. |
|--|-------------------|--------|------|-----|------|--------|------------------|-----|-----------|-----|
|  | RECORDS           | MILK   | TEST | FAT | FAT  | AV.    | MILK             | FAT | MILK      | FAT |
|  | NUMBER            | LB     | %    | LB  | LB   | NUMBER | LB               | LB  | LB        | LB  |
| 1282209 THONYMA DRMSBY JASPER.....               |                   |        |      |     |      |        |                  |     |           |     |
| 04-24-56 1196645 394DD57 11 NON-AI DAUGHTERS     | 18                | 11,609 | 3.6  | 423 |      |        |                  |     |           |     |
| LISTED, D8-63 11 WITH HERD-MATES                 | 18                | 11,609 | 3.6  | 423 |      | 12     | 11,492           | 414 |           |     |
| STATES- 48                                       |                   |        |      |     |      | OIFF.  | 117              | 9   |           |     |
| 1282262 ELLBANK ADMIRAL DRMSBY PRIOR.....        |                   |        |      |     |      |        |                  |     |           |     |
| 03-06-55 1189195 3611573 26 NON-AI DAUGHTERS     | 51                | 14,216 | 3.8  | 542 |      |        |                  |     |           |     |
| AI STUO, 21-01 LISTED, 05-64 26 WITH HERD-MATES  | 51                | 14,216 | 3.8  | 542 |      | 7      | 13,139           | 490 |           |     |
| STATES- 13,21,23                                 |                   |        |      |     |      | OIFF.  | 1077             | 52  |           |     |
| 1282279 WIL0 ROSE NEWMONT MARKSMAN.....          |                   |        |      |     |      |        |                  |     |           |     |
| D8-11-56 1107436 3246595 24 NON-AI DAUGHTERS     | 35                | 11,481 | 3.5  | 405 |      |        |                  |     |           |     |
| LISTED, 08-63 24 WITH HERD-MATES                 | 35                | 11,481 | 3.5  | 405 |      | 35     | 12,726           | 450 |           |     |
| STATES- 14,21                                    |                   |        |      |     |      | OIFF.  | 1245-            | 45- |           |     |
| 1282303 WOOD-JON CHAMPION FORBES.....            |                   |        |      |     |      |        |                  |     |           |     |
| 11-15-54 1199325 2754993 9 NON-AI DAUGHTERS      | 17                | 15,540 | 3.5  | 550 |      |        |                  |     |           |     |
| LISTED, 08-63 9 WITH HERD-MATES                  | 17                | 15,540 | 3.5  | 550 |      | 7      | 13,153           | 504 |           |     |
| STATES- 32,34                                    |                   |        |      |     |      | DIFF.  | 2387             | 46  |           |     |
| 1282305 BEAU CHIEFTAIN SUPREME.....              |                   |        |      |     |      |        |                  |     |           |     |
| 03-21-56 1114547 38D1058 20 NON-AI DAUGHTERS     | 34                | 11,396 | 4.0  | 456 |      |        |                  |     |           |     |
| LISTED, D1-63 20 WITH HERD-MATES                 | 34                | 11,396 | 4.0  | 456 |      | 12     | 12,343           | 465 |           |     |
| STATES- 35,41,46                                 |                   |        |      |     |      | OIFF.  | 947-             | 9-  |           |     |
| 12823D9 .....                                    |                   |        |      |     |      |        |                  |     |           |     |
| STATES- 41,47                                    |                   |        |      |     |      | 9      | NON-AI DAUGHTERS |     |           |     |
|  |                   |        |      |     |      | 9      | WITH HERD-MATES  |     |           |     |
|  | 10                | 11,424 | 3.9  | 444 |      |        |                  |     |           |     |
|  | 10                | 11,424 | 3.9  | 444 |      | 10     | 12,566           | 458 |           |     |
|  |                   |        |      |     |      | DIFF.  | 1142-            | 14- |           |     |
| 1282390 HAWKEYE DRMSBY ROAMER JERRY - TWIN.....  |                   |        |      |     |      |        |                  |     |           |     |
| 01-02-55 11486D1 3295737 9 NON-AI DAUGHTERS      | 13                | 12,663 | 3.2  | 4D4 |      |        |                  |     |           |     |
| LISTED, 08-62 9 WITH HERD-MATES                  | 12                | 12,768 | 3.2  | 4D6 |      | 4      | 12,99D           | 443 |           |     |
| STATES- 42                                       |                   |        |      |     |      | OIFF.  | 222-             | 37- |           |     |
| 1282596 LIME TOP ADA PE8.....                    |                   |        |      |     |      |        |                  |     |           |     |
| 07-16-56 846425 3637553 123 AI DAUGHTERS-25*     | 222               | 14,127 | 3.6  | 507 |      |        |                  |     |           |     |
| AI STUO, 21-01 LISTED, 05-64 120 WITH HERD-MATES | 215               | 14,146 | 3.6  | 507 |      | 21     | 13,466           | 488 | 13,172    | 475 |
| STATES- 13,21,56                                 |                   |        |      |     |      | OIFF.  | 68D              | 19  |           |     |
| 1282691 RICH-HERD MADCAP PROSPECTOR.....         |                   |        |      |     |      |        |                  |     |           |     |
| 10-18-55 1068877 3456096 17 AI DAUGHTERS-D2      | 30                | 14,909 | 3.9  | 578 |      |        |                  |     |           |     |
| AI STUO, 93-D3 LISTED, 05-64 16 WITH HERD-MATES  | 29                | 15,009 | 3.9  | 579 |      | 156    | 15,354           | 561 | 12,439    | 472 |
| STATES- 93                                       |                   |        |      |     |      | OIFF.  | 345-             | 18  |           |     |
| 1282704 OVERALL ROBURKE LIZA PRINCE.....         |                   |        |      |     |      |        |                  |     |           |     |
| D6-29-56 1024453 2326235 24 NON-AI DAUGHTERS     | 34                | 12,349 | 3.6  | 449 |      |        |                  |     |           |     |
| LISTED, 01-63 24 WITH HERD-MATES                 | 34                | 12,349 | 3.6  | 449 |      | 11     | 11,573           | 434 |           |     |
| STATES- 21,51,52                                 |                   |        |      |     |      | DIFF.  | 776              | 15  |           |     |
| 1282720 DALE-MAR SMOKY BINGO.....                |                   |        |      |     |      |        |                  |     |           |     |
| 07-14-56 991875 333647D 14 NON-AI DAUGHTERS      | 15                | 12,451 | 3.7  | 461 |      |        |                  |     |           |     |
| LISTED, 03-64 14 WITH HERD-MATES                 | 15                | 12,451 | 3.7  | 461 |      | 20     | 14,101           | 503 |           |     |
| STATES- 48                                       |                   |        |      |     |      | DIFF.  | 1650-            | 42- |           |     |
| 1282845 LECHEROS WOOD APPLE.....                 |                   |        |      |     |      |        |                  |     |           |     |
| 01-31-55 1117082 2396947 35 NON-AI DAUGHTERS     | 35                | 17,322 | 3.6  | 616 |      |        |                  |     |           |     |
| LISTED, 03-64 35 WITH HERD-MATES                 | 35                | 17,322 | 3.6  | 616 |      | 132    | 16,9D8           | 576 |           |     |
| STATES- 93                                       |                   |        |      |     |      | OIFF.  | 414              | 4D  |           |     |
| 1282867 LIMA COUNTRESS BOY GEORGE.....           |                   |        |      |     |      |        |                  |     |           |     |
| 05-29-56 1033433 3099826 18 NON-AI DAUGHTERS     | 30                | 12,357 | 3.8  | 466 |      |        |                  |     |           |     |
| LISTED, D8-63 18 WITH HERD-MATES                 | 30                | 12,357 | 3.8  | 466 |      | 22     | 11,911           | 433 |           |     |
| STATES- 31                                       |                   |        |      |     |      | OIFF.  | 446              | 33  |           |     |
| 1282891 TWIN COUNTY IOEAL BURKE.....             |                   |        |      |     |      |        |                  |     |           |     |
| 12-07-55 1D13415 3268371 12 NON-AI DAUGHTERS     | 22                | 14,615 | 3.7  | 537 |      |        |                  |     |           |     |
| LISTED, D3-64 12 WITH HERD-MATES                 | 22                | 14,615 | 3.7  | 537 |      | 10     | 13,905           | 5D1 |           |     |
| STATES- 23,31                                    |                   |        |      |     |      | DIFF.  | 710              | 36  |           |     |
| 1282936 NICOLK S. C. BOLD CHIEFTAIN.....         |                   |        |      |     |      |        |                  |     |           |     |
| 07-19-56 100768D 3585D32 14 NON-AI DAUGHTERS     | 26                | 16,361 | 3.8  | 615 |      |        |                  |     |           |     |
| LISTED, D8-62 14 WITH HERD-MATES                 | 26                | 16,361 | 3.8  | 615 |      | 36     | 16,016           | 597 |           |     |
| STATES- 21                                       |                   |        |      |     |      | DIFF.  | 345              | 18  |           |     |
| 1282991 LONGSWAMP KNIGHT ROSE LAO.....           |                   |        |      |     |      |        |                  |     |           |     |
| 10-17-54 9DDD67 3566642 11 NON-AI DAUGHTERS      | 16                | 13,435 | 3.6  | 483 |      |        |                  |     |           |     |
| LISTED, 08-62 1D WITH HERD-MATES                 | 15                | 14,159 | 3.6  | 5D6 |      | 4      | 12,972           | 476 |           |     |
| STATES- 32                                       |                   |        |      |     |      | DIFF.  | 1187             | 30  |           |     |
| 1283073 FAIR EDEN IMPERIAL OUK.....              |                   |        |      |     |      |        |                  |     |           |     |
| 04-07-56 1220621 3184115 8 NON-AI DAUGHTERS      | 8                 | 11,045 | 3.5  | 388 |      |        |                  |     |           |     |
| LISTED, 03-64 8 WITH HERD-MATES                  | 8                 | 11,045 | 3.5  | 388 |      | 17     | 11,834           | 412 |           |     |
| STATES- 34                                       |                   |        |      |     |      | OIFF.  | 789-             | 24- |           |     |
| 1283078 OAGES N C SEVEN FLEET HERMAN.....        |                   |        |      |     |      |        |                  |     |           |     |
| 02-24-56 933074 3779D41 21 NON-AI DAUGHTERS      | 27                | 11,301 | 3.2  | 364 |      |        |                  |     |           |     |
| LISTED, 03-64 21 WITH HERD-MATES                 | 27                | 11,301 | 3.2  | 364 |      | 29     | 12,396           | 421 |           |     |
| STATES- 31                                       |                   |        |      |     |      | OIFF.  | 1095-            | 57- |           |     |
| 1283079 OAGES NC SEVEN FLEET BILL.....           |                   |        |      |     |      |        |                  |     |           |     |
| 03-1D-56 933074 3748474 14 NON-AI DAUGHTERS      | 15                | 12,145 | 3.3  | 402 |      |        |                  |     |           |     |
| LISTED, 11-63 14 WITH HERD-MATES                 | 15                | 12,145 | 3.3  | 402 |      | 32     | 11,725           | 396 |           |     |
| STATES- 31                                       |                   |        |      |     |      | DIFF.  | 42D              | 6   |           |     |
| 1283081 JONABELL MIOKNIGHT.....                  |                   |        |      |     |      |        |                  |     |           |     |
| 07-22-56 1D87298 2371575 25 NON-AI DAUGHTERS     | 32                | 15,135 | 3.4  | 519 |      |        |                  |     |           |     |
| LISTED, 03-64 25 WITH HERD-MATES                 | 32                | 15,135 | 3.4  | 519 |      | 6      | 13,884           | 51D |           |     |
| STATES- 32                                       |                   |        |      |     |      | OIFF.  | 1251             | 9   |           |     |
| 1283112 MARSHFIELD HAMTER MARKSMAN.....          |                   |        |      |     |      |        |                  |     |           |     |
| 07-04-56 10691D9 3092993 10 NON-AI DAUGHTERS     | 15                | 13,481 | 3.7  | 5D2 |      |        |                  |     |           |     |
| LISTED, 11-63 1D WITH HERD-MATES                 | 15                | 13,481 | 3.7  | 5D2 |      | 11     | 13,279           | 5D1 |           |     |
| STATES- 52                                       |                   |        |      |     |      | DIFF.  | 202              | 1   |           |     |



| SIRE OF DHIA DAUGHTERS                           |                   |            |           | AV. PRODUCTION OF DAU. |        |            |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--|-------------------|------------|-----------|------------------------|--------|------------|-----------|---------------------|------------|-----------|---------------|-----------|
| HOLSTEIN   | RECORDS<br>NUMBER | MILK<br>LB | TEST<br>% | FAT<br>LB              | NUMBER | MILK<br>LB | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1283115 FRIEDEL STANDDUT IMP SUPREME.....        |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 11-03-55 1118038 3744793 14 NDN-AI DAUGHTERS     | 28                | 10,888     | 3.5       | 386                    |        |            |           |                     |            |           |               |           |
| LISTED, 01-63 14 WITH HERD-MATES                 | 28                | 10,888     | 3.5       | 386                    |        |            |           | 18                  | 12,074     | 438       |               |           |
| STATES- 50                                       |                   |            |           |                        |        |            |           | DIFF.               | 1186-      | 52-       |               |           |
| 1283158 .....                                    |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 5 NDN-AI DAUGHTERS                               | 5                 | 12,490     | 4.1       | 514                    |        |            |           |                     |            |           |               |           |
| STATES- 32 5 WITH HERD-MATES                     | 5                 | 12,490     | 4.1       | 514                    |        |            |           | 23                  | 13,885     | 525       |               |           |
|  |                   |            |           |                        |        |            |           | DIFF.               | 1395-      | 11-       |               |           |
| 1283214 CRESTON LUCKY JULE.....                  |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 06-20-56 956714 3059776 17 NDN-AI DAUGHTERS      | 28                | 12,530     | 3.5       | 441                    |        |            |           |                     |            |           |               |           |
| LISTED, 08-63 17 WITH HERD-MATES                 | 28                | 12,530     | 3.5       | 441                    |        |            |           | 7                   | 13,295     | 480       |               |           |
| STATES- 34                                       |                   |            |           |                        |        |            |           | DIFF.               | 765-       | 39-       |               |           |
| 1283253 LDS RD8LES SEGIS WALKER.....             |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 06-18-56 1057293 2972574 9 NDN-AI DAUGHTERS      | 10                | 16,219     | 3.4       | 558                    |        |            |           |                     |            |           |               |           |
| LISTED, 01-63 9 WITH HERD-MATES                  | 10                | 16,219     | 3.4       | 558                    |        |            |           | 55                  | 16,493     | 588       |               |           |
| STATES- 93                                       |                   |            |           |                        |        |            |           | DIFF.               | 274-       | 30-       |               |           |
| 1283309 NODCKDAIR LEADER PHOE8E.....             |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 09-27-53 951058 2990278 14 NDN-AI DAUGHTERS      | 27                | 14,657     | 4.0       | 592                    |        |            |           |                     |            |           |               |           |
| AI STUD, 91-01 LISTED, 05-64 14 WITH HERD-MATES  | 27                | 14,657     | 4.0       | 592                    |        |            |           | 8                   | 14,363     | 533       |               |           |
| STATES- 91                                       |                   |            |           |                        |        |            |           | DIFF.               | 294        | 59        |               |           |
| 1283313 RIVER VALLEY WALLIE RDMED.....           |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 10-29-55 1190632 3089912 381 AI DAUGHTERS-25*    | 418               | 12,606     | 3.6       | 453                    |        |            |           |                     |            |           |               |           |
| AI STUD, 33-03 LISTED, 05-64 371 WITH HERD-MATES | 403               | 12,635     | 3.6       | 454                    |        |            |           | 17                  | 13,427     | 494       | 11,803        | 420       |
| STATES- 11,12,13,14,15,16,21,                    |                   |            |           |                        |        |            |           | DIFF.               | 792-       | 40-       |               |           |
| 22,23,31,32,33,34,35,41,42,43,                   |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 46,47,48,50,51,52,54,55,56,58,                   | 93                | 12,906     | 3.6       | 460                    |        |            |           | 15                  | 13,790     | 504       |               |           |
| 73,82,87,91,92 93 WITH HERD-MATES                | 144               | 12,918     | 3.6       | 460                    |        |            |           | DIFF.               | 872-       | 44-       |               |           |
| 1283332 MAPLE MANDR SQUIRE JDE.....              |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 03-07-56 1222180 3387588 10 NDN-AI DAUGHTERS     | 15                | 10,068     | 3.9       | 388                    |        |            |           |                     |            |           |               |           |
| LISTED, 11-63 10 WITH HERD-MATES                 | 15                | 10,068     | 3.9       | 388                    |        |            |           | 22                  | 12,741     | 467       |               |           |
| STATES- 32,34                                    |                   |            |           |                        |        |            |           | DIFF.               | 2673-      | 79-       |               |           |
| 1283333 HOMEMOND BURKE IDEAL.....                |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 03-07-56 1013415 2963834 8 NDN-AI DAUGHTERS      | 16                | 15,096     | 3.5       | 533                    |        |            |           |                     |            |           |               |           |
| LISTED, 11-63 8 WITH HERD-MATES                  | 16                | 15,096     | 3.5       | 533                    |        |            |           | 12                  | 14,192     | 519       |               |           |
| STATES- 31                                       |                   |            |           |                        |        |            |           | DIFF.               | 904        | 14        |               |           |
| 1283348 RI8BDN DESIGN.....                       |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 08-07-56 1257249 4019186 13 NDN-AI DAUGHTERS     | 20                | 11,688     | 3.7       | 437                    |        |            |           |                     |            |           |               |           |
| LISTED, 11-63 13 WITH HERD-MATES                 | 20                | 11,688     | 3.7       | 437                    |        |            |           | 15                  | 12,762     | 470       |               |           |
| STATES- 33                                       |                   |            |           |                        |        |            |           | DIFF.               | 1074-      | 33-       |               |           |
| 1283536 WIS MEMDRY.....                          |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 07-14-56 1189593 2683296 8 NDN-AI DAUGHTERS      | 17                | 15,741     | 3.6       | 569                    |        |            |           |                     |            |           |               |           |
| AI STUD, 33-03 LISTED, 05-64 8 WITH HERD-MATES   | 16                | 15,868     | 3.6       | 574                    |        |            |           | 31                  | 14,509     | 524       |               |           |
| STATES- 21,35,74                                 |                   |            |           |                        |        |            |           | DIFF.               | 1359       | 50        |               |           |
| 1283547 RUNNINGWELL BDNHEUR JACK.....            |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 03-23-55 996049 2558696 5 NDN-AI DAUGHTERS       | 5                 | 11,480     | 3.6       | 417                    |        |            |           |                     |            |           |               |           |
| LISTED, 05-64 5 WITH HERD-MATES                  | 5                 | 11,480     | 3.6       | 417                    |        |            |           | 8                   | 13,151     | 490       |               |           |
| STATES- 34                                       |                   |            |           |                        |        |            |           | DIFF.               | 1671-      | 73-       |               |           |
| 1283631 SIR BESS DDRA JEWEL - TWIN.....          |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 05-08-55 1191185 3014641 23 NDN-AI DAUGHTERS     | 46                | 14,127     | 3.8       | 535                    |        |            |           |                     |            |           |               |           |
| STATES- 42 23 WITH HERD-MATES                    | 46                | 14,127     | 3.8       | 535                    |        |            |           | 4                   | 15,059     | 567       |               |           |
|  |                   |            |           |                        |        |            |           | DIFF.               | 932-       | 32-       |               |           |
| 1283658 80-LAN LEADER MASTERPIECE - TWIN.....    |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 08-19-55 1188528 3746630 10 NDN-AI DAUGHTERS     | 10                | 13,659     | 4.0       | 543                    |        |            |           |                     |            |           |               |           |
| LISTED, 03-64 10 WITH HERD-MATES                 | 10                | 13,659     | 4.0       | 543                    |        |            |           | 11                  | 14,287     | 529       |               |           |
| STATES- 48                                       |                   |            |           |                        |        |            |           | DIFF.               | 628-       | 14        |               |           |
| 1283681 GRAY VIEW CRITERION SKYCHIEF.....        |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 07-16-56 1244844 2981945 3 AI DAUGHTERS-03       |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| AI STUD, 35-04 LISTED, 05-64 2 WITH HERD-MATES   |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| STATES- 35,42                                    |                   |            |           |                        |        |            |           |                     |            |           |               |           |
|  |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 9 NDN-AI DAUGHTERS                               | 14                | 11,827     | 3.7       | 435                    |        |            |           |                     |            |           |               |           |
| 9 WITH HERD-MATES                                | 14                | 11,827     | 3.7       | 435                    |        |            |           | 23                  | 12,489     | 476       |               |           |
|  |                   |            |           |                        |        |            |           | DIFF.               | 662-       | 41-       |               |           |
| 1283712 .....                                    |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 11 NDN-AI DAUGHTERS                              | 13                | 11,738     | 3.7       | 436                    |        |            |           |                     |            |           |               |           |
| STATES- 31 9 WITH HERD-MATES                     | 11                | 12,895     | 3.7       | 476                    |        |            |           | 10                  | 12,237     | 431       |               |           |
|  |                   |            |           |                        |        |            |           | DIFF.               | 658        | 45        |               |           |
| 1283950 .....                                    |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 7 NDN-AI DAUGHTERS                               | 11                | 11,956     | 3.8       | 453                    |        |            |           |                     |            |           |               |           |
| STATES- 43 7 WITH HERD-MATES                     | 11                | 11,956     | 3.8       | 453                    |        |            |           | 37                  | 12,137     | 443       |               |           |
|  |                   |            |           |                        |        |            |           | DIFF.               | 181-       | 10        |               |           |
| 1283964 RDEL DDMINANT MILDRED MILITANT.....      |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 03-23-55 1172797 3141028 10 NDN-AI DAUGHTERS     | 15                | 11,369     | 3.7       | 425                    |        |            |           |                     |            |           |               |           |
| LISTED, 08-63 10 WITH HERD-MATES                 | 15                | 11,369     | 3.7       | 425                    |        |            |           | 12                  | 11,763     | 429       |               |           |
| STATES- 16                                       |                   |            |           |                        |        |            |           | DIFF.               | 394-       | 4-        |               |           |
| 1284066 BISHOP EMPDRER GENTLE SAM.....           |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 07-12-56 1095713 3446269 12 NDN-AI DAUGHTERS     | 21                | 11,777     | 4.0       | 474                    |        |            |           |                     |            |           |               |           |
| LISTED, 01-63 12 WITH HERD-MATES                 | 21                | 11,777     | 4.0       | 474                    |        |            |           | 35                  | 13,530     | 528       |               |           |
| STATES- 13                                       |                   |            |           |                        |        |            |           | DIFF.               | 1753-      | 54-       |               |           |
| 1284159 KDRNDYKE REVELATION PRDFOESSDR.....      |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 05-23-56 1197310 3741322 11 NDN-AI DAUGHTERS     | 15                | 14,028     | 3.5       | 496                    |        |            |           |                     |            |           |               |           |
| LISTED, 08-63 11 WITH HERD-MATES                 | 15                | 14,028     | 3.5       | 496                    |        |            |           | 25                  | 14,422     | 504       |               |           |
| STATES- 31                                       |                   |            |           |                        |        |            |           | DIFF.               | 394-       | 8-        |               |           |
| 1284298 ARESKU SENA8DY BUTTERKING.....           |                   |            |           |                        |        |            |           |                     |            |           |               |           |
| 09-27-55 010231875 010688572 18 NDN-AI DAUGHTERS | 27                | 14,597     | 4.0       | 582                    |        |            |           |                     |            |           |               |           |
| LISTED, 11-63 18 WITH HERD-MATES                 | 27                | 14,597     | 4.0       | 582                    |        |            |           | 18                  | 14,689     | 555       |               |           |
| STATES- 52                                       |                   |            |           |                        |        |            |           | DIFF.               | 92-        | 27        |               |           |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN       |                                     |    |                  |    | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|----------------|-------------------------------------|----|------------------|----|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 12B4311        | PIONEER TRAIL RDAMER MONT.....      |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 11-17-55       | 946403 3339230                      | 10 | NON-AI DAUGHTERS | 14 | 12,570      | 3.5                   | 443    |             |                 |                    |            |                       |        |
|                | LISTED, 11-63                       | 10 | WITH HERD-MATES  | 14 | 12,570      | 3.5                   | 443    |             | 8               | 12,245             | 457        |                       |        |
| STATES-        | 34                                  |    |                  |    |             |                       |        |             | DIFF.           | 325                | 14-        |                       |        |
| 12B4364        | LANGE RE-CHARITY DEAN WALKER.....   |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 08-23-55       | 1190953 3587268                     | 28 | NON-AI DAUGHTERS | 69 | 14,458      | 3.6                   | 525    |             |                 |                    |            |                       |        |
| AI STUD, 35-02 | LISTED, 05-64                       | 28 | WITH HERD-MATES  | 68 | 14,499      | 3.6                   | 526    |             | 12              | 12,950             | 481        |                       |        |
| STATES-        | 33,35                               |    |                  |    |             |                       |        |             | DIFF.           | 1549               | 45         |                       |        |
| 12B4478        | .....                               |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
|                |                                     | 5  | NON-AI DAUGHTERS | 8  | 10,787      | 3.6                   | 385    |             |                 |                    |            |                       |        |
| STATES-        | 61                                  | 5  | WITH HERD-MATES  | 7  | 10,546      | 3.6                   | 377    |             | 5               | 10,807             | 396        |                       |        |
|                |                                     |    |                  |    |             |                       |        |             | DIFF.           | 261-               | 19-        |                       |        |
| 12B4558        | ADMIRAL P J SILVERMOON.....         |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 03-09-56       | 1152351 3525615                     | 11 | NON-AI DAUGHTERS | 13 | 16,073      | 3.8                   | 604    |             |                 |                    |            |                       |        |
|                | LISTED, 11-63                       | 11 | WITH HERD-MATES  | 13 | 16,073      | 3.8                   | 604    |             | 13              | 13,470             | 510        |                       |        |
| STATES-        | 33                                  |    |                  |    |             |                       |        |             | DIFF.           | 2603               | 94         |                       |        |
| 12B4676        | FILBERT KING WINNER - TWIN.....     |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 01-12-56       | 1077788 3153254                     | 12 | NON-AI DAUGHTERS | 16 | 13,958      | 3.7                   | 520    |             |                 |                    |            |                       |        |
|                | LISTED, 11-63                       | 12 | WITH HERD-MATES  | 16 | 13,958      | 3.7                   | 520    |             | 21              | 12,924             | 483        |                       |        |
| STATES-        | 23,50,51,61                         |    |                  |    |             |                       |        |             | DIFF.           | 1034               | 37         |                       |        |
| 12B4716        | SLEEPY HOLLOW R A KING.....         |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 05-07-56       | 1191720 3365400                     | 24 | NON-AI DAUGHTERS | 36 | 17,483      | 3.6                   | 637    |             |                 |                    |            |                       |        |
| AI STUD, 31-02 | LISTED, 05-64                       | 24 | WITH HERD-MATES  | 36 | 17,483      | 3.6                   | 637    |             | 82              | 15,659             | 593        |                       |        |
| STATES-        | 93                                  |    |                  |    |             |                       |        |             | DIFF.           | 1824               | 44         |                       |        |
| 12B4717        | .....                               |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
|                |                                     | 5  | NON-AI DAUGHTERS | 5  | 13,826      | 3.6                   | 504    |             |                 |                    |            |                       |        |
| STATES-        | 52                                  | 5  | WITH HERD-MATES  | 5  | 13,826      | 3.6                   | 504    |             | 5               | 13,776             | 486        |                       |        |
|                |                                     |    |                  |    |             |                       |        |             | DIFF.           | 50                 | 18         |                       |        |
| 12B4718        | 8 D I ADAGDVE ANTON.....            |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 04-01-56       | 846425 3166250                      | 12 | AI DAUGHTERS-10  | 19 | 12,781      | 3.3                   | 424    |             |                 |                    |            |                       |        |
| AI STUD, 41-01 | LISTED, 08-63                       | 12 | WITH HERD-MATES  | 19 | 12,781      | 3.3                   | 424    |             | 21              | 13,144             | 463        | 12,323                | 436    |
| STATES-        | 41                                  |    |                  |    |             |                       |        |             | DIFF.           | 363-               | 39-        |                       |        |
| 12B4726        | BOLLMAN SANMARGALE SENSATION.....   |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 12-25-55       | 1089423 2929093                     | 12 | NON-AI DAUGHTERS | 15 | 9,977       | 3.6                   | 355    |             |                 |                    |            |                       |        |
|                | LISTED, 11-63                       | 12 | WITH HERD-MATES  | 15 | 9,977       | 3.6                   | 355    |             | 21              | 10,373             | 373        |                       |        |
| STATES-        | 31,34,64                            |    |                  |    |             |                       |        |             | DIFF.           | 396-               | 18-        |                       |        |
| 12B4765        | FROMAGE COLONEL GRAYSON.....        |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 12-18-55       | 1056882 2905149                     | 14 | AI DAUGHTERS-13  | 14 | 12,311      | 3.9                   | 478    |             |                 |                    |            |                       |        |
| AI STUD, 33-03 | LISTED, 05-64                       | 14 | WITH HERD-MATES  | 14 | 12,311      | 3.9                   | 478    |             | 14              | 13,529             | 502        | 11,882                | 445    |
| STATES-        | 21,22,23,33,35,41,42,               |    |                  |    |             |                       |        |             | DIFF.           | 1218-              | 24-        |                       |        |
| 51             |                                     | 4  | NON-AI DAUGHTERS | 4  | 12,308      | 3.6                   | 443    |             |                 |                    |            |                       |        |
|                |                                     | 4  | WITH HERD-MATES  | 4  | 12,308      | 3.6                   | 443    |             | 24              | 13,534             | 492        |                       |        |
|                |                                     |    |                  |    |             |                       |        |             | DIFF.           | 1226-              | 49-        |                       |        |
| 12B4868        | KREMEIER LOCHINVAR ORMSBY DAN.....  |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 04-08-56       | 1161428 3011359                     | 26 | NON-AI DAUGHTERS | 31 | 17,313      | 3.7                   | 638    |             |                 |                    |            |                       |        |
|                | LISTED, 08-63                       | 26 | WITH HERD-MATES  | 31 | 17,313      | 3.7                   | 638    |             | 7               | 16,276             | 603        |                       |        |
| STATES-        | 73                                  |    |                  |    |             |                       |        |             | DIFF.           | 1037               | 35         |                       |        |
| 12B4909        | FOHON MINN BURKE PRINCE.....        |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 02-19-56       | 1056882 3259553                     | 42 | NON-AI DAUGHTERS | 55 | 13,271      | 3.7                   | 485    |             |                 |                    |            |                       |        |
|                | LISTED, 03-64                       | 42 | WITH HERD-MATES  | 55 | 13,271      | 3.7                   | 485    |             | 16              | 12,840             | 487        |                       |        |
| STATES-        | 32,33,35,47                         |    |                  |    |             |                       |        |             | DIFF.           | 431                | 2-         |                       |        |
| 12B4923        | JUDD HARTOG WELLINGTON.....         |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 05-05-49       | 995619 2745474                      | 8  | NON-AI DAUGHTERS | 24 | 13,738      | 3.5                   | 484    |             |                 |                    |            |                       |        |
|                | LISTED, 11-63                       | 6  | WITH HERD-MATES  | 19 | 14,321      | 3.5                   | 502    |             | 14              | 13,859             | 515        |                       |        |
| STATES-        | 21                                  |    |                  |    |             |                       |        |             | DIFF.           | 462                | 13-        |                       |        |
| 12B4929        | ECHORIDGE DEWDROP ORMSBY PABST..... |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 09-25-56       | 1220673 3919570                     | 11 | NON-AI DAUGHTERS | 21 | 12,900      | 3.4                   | 434    |             |                 |                    |            |                       |        |
|                | LISTED, 08-63                       | 11 | WITH HERD-MATES  | 21 | 12,900      | 3.4                   | 434    |             | 15              | 13,516             | 465        |                       |        |
| STATES-        | 21                                  |    |                  |    |             |                       |        |             | DIFF.           | 616-               | 31-        |                       |        |
| 12B5076        | MOOEL ROBURKE PRIDE.....            |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 04-04-56       | 1223313 3701615                     | 13 | NON-AI DAUGHTERS | 15 | 11,418      | 3.2                   | 368    |             |                 |                    |            |                       |        |
|                | LISTED, 08-63                       | 12 | WITH HERD-MATES  | 13 | 11,621      | 3.3                   | 380    |             | 4               | 10,543             | 343        |                       |        |
| STATES-        | 31                                  |    |                  |    |             |                       |        |             | DIFF.           | 1078               | 37         |                       |        |
| 12B5187        | .....                               |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
|                |                                     | 5  | NON-AI DAUGHTERS | 8  | 12,959      | 3.6                   | 461    |             |                 |                    |            |                       |        |
| STATES-        | 23                                  | 5  | WITH HERD-MATES  | 8  | 12,959      | 3.6                   | 461    |             | 4               | 12,649             | 440        |                       |        |
|                |                                     |    |                  |    |             |                       |        |             | DIFF.           | 310                | 21         |                       |        |
| 12B5278        | .....                               |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
|                |                                     | 27 | NON-AI DAUGHTERS | 27 | 16,528      | 3.5                   | 577    |             |                 |                    |            |                       |        |
| STATES-        | 93                                  | 27 | WITH HERD-MATES  | 27 | 16,528      | 3.5                   | 577    |             | 119             | 16,435             | 562        |                       |        |
|                |                                     |    |                  |    |             |                       |        |             | DIFF.           | 93                 | 15         |                       |        |
| 12B5347        | RICHMAN SENSATION ORMSBY SEGIS..... |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 09-17-56       | 1157798 3071797                     | 17 | NON-AI DAUGHTERS | 22 | 12,983      | 3.3                   | 423    |             |                 |                    |            |                       |        |
|                | LISTED, 08-63                       | 17 | WITH HERD-MATES  | 22 | 12,983      | 3.3                   | 423    |             | 13              | 11,173             | 413        |                       |        |
| STATES-        | 31                                  |    |                  |    |             |                       |        |             | DIFF.           | 1810               | 10         |                       |        |
| 12B5445        | BURKE PABST LOCHINVAR LAD.....      |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 01-05-56       | 984799 2934252                      | 12 | NON-AI DAUGHTERS | 20 | 11,516      | 3.8                   | 437    |             |                 |                    |            |                       |        |
|                | LISTED, 08-62                       | 12 | WITH HERD-MATES  | 20 | 11,516      | 3.8                   | 437    |             | 17              | 13,324             | 495        |                       |        |
| STATES-        | 12,13,14,21                         |    |                  |    |             |                       |        |             | DIFF.           | 1808-              | 58-        |                       |        |
| 12B5450        | PENSTATE LADY STAR RDAMER.....      |    |                  |    |             |                       |        |             |                 |                    |            |                       |        |
| 06-26-56       | 1066229 3559223                     | 20 | NON-AI DAUGHTERS | 25 | 14,096      | 3.9                   | 545    |             |                 |                    |            |                       |        |
|                | LISTED, 03-64                       | 20 | WITH HERD-MATES  | 25 | 14,096      | 3.9                   | 545    |             | 24              | 13,598             | 505        |                       |        |
| STATES-        | 51                                  |    |                  |    |             |                       |        |             | DIFF.           | 498                | 40         |                       |        |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN       |  |     |                  |     | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK L8 | TEST<br>% | DAU.<br>FAT L8 | ADJ. AV.<br>NUMBER | HERD-MATES<br>MILK L8 | AV. FAT<br>L8 | PREDICTED AV.<br>MILK L8 | FAT L8 |
|----------------|--|-----|------------------|-----|-----------------------|--------------------------|-----------|----------------|--------------------|-----------------------|---------------|--------------------------|--------|
| 1285451        | PENSTATE OLLIE JOSIE JOE.....          |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 07-19-56       | 909229 2861381                         | 152 | AI DAUGHTERS-25* | 257 | 12,729                | 3.6                      | 458       |                |                    |                       |               |                          |        |
| AI STUD, 23-07 | LISTED, 08-63                          | 152 | WITH HERD-MATES  | 256 | 12,729                | 3.6                      | 458       |                | 15                 | 13,247                | 492           | 12,066                   | 427    |
| STATES-        | 22,23                                  |     |                  |     |                       |                          |           |                | DIFF.              | 518-                  | 34-           |                          |        |
| 1285461        | STEVENSDELL SUPER8 CURTISS LAD.....    |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 08-20-55       | 1125395 3343577                        | 12  | NON-AI DAUGHTERS | 22  | 11,608                | 3.8                      | 439       |                |                    |                       |               |                          |        |
| STATES-        | 23,31                                  | 12  | WITH HERD-MATES  | 19  | 11,768                | 3.8                      | 444       |                | 14                 | 12,785                | 467           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 1017-                 | 23-           |                          |        |
| 1285495        | CROCUS HILL F08ES HEILO.....           |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 09-15-56       | 916471 3515587                         | 14  | NON-AI DAUGHTERS | 14  | 12,534                | 3.5                      | 438       |                |                    |                       |               |                          |        |
| STATES-        | 35                                     | 14  | WITH HERD-MATES  | 14  | 12,534                | 3.5                      | 438       |                | 2                  | 10,992                | 397           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 1542                  | 41            |                          |        |
| 1285659        | ZOB HOME GREAT IKE.....                |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 10-04-56       | 1240667 2775129                        | 16  | NON-AI DAUGHTERS | 19  | 13,544                | 3.9                      | 523       |                |                    |                       |               |                          |        |
| STATES-        | 33                                     | 16  | WITH HERD-MATES  | 19  | 13,544                | 3.9                      | 523       |                | 27                 | 14,380                | 517           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 836-                  | 6             |                          |        |
| 1285691        | RDSNI CONQUERDR ORMS8Y 5TH.....        |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 07-23-56       | 990354 3266140                         | 20  | NON-AI DAUGHTERS | 26  | 13,382                | 3.7                      | 493       |                |                    |                       |               |                          |        |
| STATES-        | 52,55                                  | 20  | WITH HERD-MATES  | 26  | 13,382                | 3.7                      | 493       |                | 38                 | 13,622                | 491           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 240-                  | 2             |                          |        |
| 1285694        | RDSNI HAZELWOOD A8ILITY CHIEF.....     |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 07-15-56       | 1211325 2895255                        | 13  | NON-AI DAUGHTERS | 19  | 13,600                | 3.7                      | 497       |                |                    |                       |               |                          |        |
| STATES-        | 55                                     | 13  | WITH HERD-MATES  | 19  | 13,600                | 3.7                      | 497       |                | 32                 | 14,009                | 508           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 409-                  | 11-           |                          |        |
| 1285695        | RDSNI SHAWS DAUNTLESS DIONE.....       |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 09-08-56       | 1048678 3632389                        | 27  | NON-AI DAUGHTERS | 41  | 13,941                | 3.7                      | 515       |                |                    |                       |               |                          |        |
| AI STUD, 52-01 | LISTED, 05-64                          | 27  | WITH HERD-MATES  | 41  | 13,941                | 3.7                      | 515       |                | 40                 | 13,853                | 507           |                          |        |
| STATES-        | 52,55                                  |     |                  |     |                       |                          |           |                | DIFF.              | 88                    | 8             |                          |        |
| 1285709        | SPRUCE LAWN HIDEO.....                 |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 09-02-56       | 929962 2778214                         | 120 | AI DAUGHTERS-25* | 208 | 14,404                | 3.6                      | 515       |                |                    |                       |               |                          |        |
| AI STUD, 21-01 | LISTED, 05-64                          | 116 | WITH HERD-MATES  | 202 | 14,412                | 3.6                      | 515       |                | 28                 | 13,645                | 492           | 13,267                   | 479    |
| STATES-        | 13,21,23,51                            |     |                  |     |                       |                          |           |                | DIFF.              | 767                   | 23            |                          |        |
| 1285719        | LDICHEVALE PAUL 8OLD.....              |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 03-13-56       | 863871 2962791                         | 39  | NON-AI DAUGHTERS | 61  | 12,705                | 3.4                      | 435       |                |                    |                       |               |                          |        |
| STATES-        | 31                                     | 38  | WITH HERD-MATES  | 58  | 12,779                | 3.4                      | 438       |                | 22                 | 13,017                | 449           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 238-                  | 11-           |                          |        |
| 1285772        | ASC COUNT SUPREME.....                 |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 09-17-55       | 1118659 2632553                        | 10  | NON-AI DAUGHTERS | 23  | 13,235                | 3.5                      | 466       |                |                    |                       |               |                          |        |
| STATES-        | 86                                     | 10  | WITH HERD-MATES  | 23  | 13,235                | 3.5                      | 466       |                | 44                 | 13,835                | 483           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 600-                  | 17-           |                          |        |
| 1285815        | CARDOA ANTHONY OREN - TWIN.....        |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 07-11-56       | 1122159 2720156                        | 30  | NON-AI DAUGHTERS | 53  | 14,326                | 3.8                      | 547       |                |                    |                       |               |                          |        |
| STATES-        | 33                                     | 30  | WITH HERD-MATES  | 52  | 14,373                | 3.8                      | 549       |                | 14                 | 14,470                | 582           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 97-                   | 33-           |                          |        |
| 1285951        | SHAWS CRETE DUNLOGGIN FAYNE.....       |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 05-14-56       | 972500 3264850                         | 23  | NON-AI DAUGHTERS | 53  | 15,278                | 3.8                      | 584       |                |                    |                       |               |                          |        |
| AI STUD, 35-75 | LISTED, 05-64                          | 23  | WITH HERD-MATES  | 53  | 15,278                | 3.8                      | 584       |                | 22                 | 14,448                | 531           |                          |        |
| STATES-        | 23,55                                  |     |                  |     |                       |                          |           |                | DIFF.              | 830                   | 53            |                          |        |
| 1286019        | HOWCOJEL SECRETARY.....                |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 08-20-56       | 987869 3574486                         | 12  | NON-AI DAUGHTERS | 27  | 12,463                | 3.9                      | 491       |                |                    |                       |               |                          |        |
| STATES-        | 14                                     | 12  | WITH HERD-MATES  | 27  | 12,463                | 3.9                      | 491       |                | 39                 | 13,054                | 492           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 591-                  | 1-            |                          |        |
| 1286036        | HARDEN FARMS WIREMASTER.....           |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 07-07-56       | 1112211 2580430                        | 43  | NON-AI DAUGHTERS | 71  | 15,993                | 3.6                      | 579       |                |                    |                       |               |                          |        |
| AI STUD, 34-01 | LISTED, 05-64                          | 43  | WITH HERD-MATES  | 71  | 15,993                | 3.6                      | 579       |                | 16                 | 14,562                | 562           |                          |        |
| STATES-        | 21,23,50,51                            |     |                  |     |                       |                          |           |                | DIFF.              | 1431                  | 17            |                          |        |
| 1286085        | DIALAND MIL COLANTHA DARK KING.....    |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 09-27-56       | 1053895 3380997                        | 8   | NON-AI DAUGHTERS | 12  | 14,407                | 3.7                      | 535       |                |                    |                       |               |                          |        |
| STATES-        | 34                                     | 8   | WITH HERD-MATES  | 12  | 14,407                | 3.7                      | 535       |                | 24                 | 12,944                | 472           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 1463                  | 63            |                          |        |
| 1286091        | BREEZELAND DEAN VAR LEADER - TWIN..... |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 04-23-55       | 915940 2818665                         | 15  | NON-AI DAUGHTERS | 34  | 11,949                | 3.3                      | 400       |                |                    |                       |               |                          |        |
| STATES-        | 42                                     | 15  | WITH HERD-MATES  | 34  | 11,949                | 3.3                      | 400       |                | 8                  | 11,398                | 417           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 551                   | 17-           |                          |        |
| 1286143        | DIAMOND CREEK R. A. SOVEREIGN.....     |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 10-03-56       | 1024453 3318134                        | 12  | NON-AI DAUGHTERS | 22  | 13,459                | 3.4                      | 459       |                |                    |                       |               |                          |        |
| STATES-        | 32,34,61                               | 12  | WITH HERD-MATES  | 22  | 13,459                | 3.4                      | 459       |                | 16                 | 13,555                | 482           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 96-                   | 23-           |                          |        |
| 1286215        | HARDEN FARMS MASTER 8EAU.....          |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 07-01-56       | 1228879 2852046                        | 20  | NON-AI DAUGHTERS | 24  | 12,476                | 3.7                      | 464       |                |                    |                       |               |                          |        |
| STATES-        | 21                                     | 20  | WITH HERD-MATES  | 24  | 12,476                | 3.7                      | 464       |                | 17                 | 14,059                | 496           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 1583-                 | 32-           |                          |        |
| 1286222        | KEYSTONE MISTER COUNT.....             |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 08-17-56       | 1020473 3026164                        | 29  | NON-AI DAUGHTERS | 52  | 18,048                | 3.7                      | 671       |                |                    |                       |               |                          |        |
| AI STUD, 35-75 | LISTED, 08-63                          | 29  | WITH HERD-MATES  | 52  | 18,048                | 3.7                      | 671       |                | 35                 | 17,802                | 658           |                          |        |
| STATES-        | 23                                     |     |                  |     |                       |                          |           |                | DIFF.              | 246                   | 13            |                          |        |
| 1286224        | .....                                  |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| STATES-        | 42                                     | 6   | NON-AI DAUGHTERS | 8   | 12,233                | 3.1                      | 381       |                |                    |                       |               |                          |        |
|                |  | 6   | WITH HERD-MATES  | 8   | 12,233                | 3.1                      | 381       |                | 7                  | 10,569                | 365           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 1664                  | 16            |                          |        |
| 1286246        | JAN-AR ROBURKE RETREIVER.....          |     |                  |     |                       |                          |           |                |                    |                       |               |                          |        |
| 09-24-56       | 1024453 3101727                        | 9   | NON-AI DAUGHTERS | 15  | 14,732                | 3.4                      | 506       |                |                    |                       |               |                          |        |
| STATES-        | 31                                     | 9   | WITH HERD-MATES  | 15  | 14,732                | 3.4                      | 506       |                | 5                  | 13,966                | 490           |                          |        |
|                |  |     |                  |     |                       |                          |           |                | DIFF.              | 766                   | 16            |                          |        |



## SIREs OF DHIA DAUGHTERS

| HDLSTEIN       |  |                    |        | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. MILK | PREDICTED AV. |     |
|----------------|--|--------------------|--------|------------------------|---------------------|----------|---------------|-----|
|                |  |                    |        | RECORDS MILK TEST FAT  | NUMBER              | L8       | MILK          | FAT |
|                |  |                    |        | NUMBER L8 % L8         |                     |          | L8            | L8  |
| 1286258        | CDUNCIL RDCK BUTTER ROCKET.....            |                    |        |                        |                     |          |               |     |
| 05-12-56       | 1207983 3055485 13 NDN-AI DAUGHTERS        | 14                 | 12,314 | 3.5                    | 432                 |          |               |     |
|                | LISTED, 11-63 13 WITH HERD-MATES           | 14                 | 12,314 | 3.5                    | 432                 |          |               |     |
| STATES-        | 14,21                                      |                    |        |                        |                     | 17       | 13,778        | 482 |
|                |  |                    |        |                        |                     | DIFF.    | 1464-         | 50- |
| 1286274        | SHAWs H H CRETE PAUL - TWIN.....           |                    |        |                        |                     |          |               |     |
| 03-06-56       | 972500 3342551 8 NDN-AI DAUGHTERS          | 9                  | 14,917 | 3.9                    | 576                 |          |               |     |
|                | LISTED, 11-63 8 WITH HERD-MATES            | 9                  | 14,917 | 3.9                    | 576                 |          |               |     |
| STATES-        | 21,22                                      |                    |        |                        |                     | 31       | 14,509        | 528 |
|                |  |                    |        |                        |                     | DIFF.    | 408           | 48  |
| 1286395        | 8 D I MASADAEAN CDM8INE.....               |                    |        |                        |                     |          |               |     |
| 07-16-56       | 929962 3549527 31 NDN-AI DAUGHTERS         | 47                 | 14,626 | 3.8                    | 554                 |          |               |     |
|                | LISTED, 03-64 31 WITH HERD-MATES           | 47                 | 14,626 | 3.8                    | 554                 |          |               |     |
| STATES-        | 52   |                    |        |                        |                     | 13       | 13,897        | 525 |
|                |  |                    |        |                        |                     | DIFF.    | 729           | 29  |
| 1286513        | RDThERWDDD SADIE HAWKINS.....              |                    |        |                        |                     |          |               |     |
| 08-04-56       | 1221917 3927822 12 NDN-AI DAUGHTERS        | 14                 | 12,917 | 4.1                    | 526                 |          |               |     |
|                | LISTED, 03-64 12 WITH HERD-MATES           | 14                 | 12,917 | 4.1                    | 526                 |          |               |     |
| STATES-        | 52,55                                      |                    |        |                        |                     | 31       | 14,530        | 547 |
|                |  |                    |        |                        |                     | DIFF.    | 1613-         | 21- |
| 1286606        | PENSTATE INKA PATHFINDER F08ES.....        |                    |        |                        |                     |          |               |     |
| 09-13-56       | 1066229 2472441 139 AI DAUGHTERS-25*       | 251                | 12,373 | 4.0                    | 491                 |          |               |     |
| AI STUD, 23-05 | LISTED, 05-64 139 WITH HERD-MATES          | 250                | 12,369 | 4.0                    | 491                 |          |               |     |
| STATES-        | 23,52                                      |                    |        |                        |                     | 15       | 13,198        | 496 |
|                |  |                    |        |                        |                     | DIFF.    | 829-          | 5-  |
|                |  | 2 NON-AI DAUGHTERS | 7      | 13,224                 | 3.7                 | 488      |               |     |
|                |  | 2 WITH HERD-MATES  | 7      | 13,224                 | 3.7                 | 488      |               |     |
|                |  |                    |        |                        |                     | 17       | 14,164        | 538 |
|                |  |                    |        |                        |                     | DIFF.    | 940-          | 50- |
| 1286762        | TRASKDALE DEAN RAVEN.....                  |                    |        |                        |                     |          |               |     |
| 01-15-56       | 909839 3682654 11 NDN-AI DAUGHTERS         | 13                 | 10,218 | 3.9                    | 397                 |          |               |     |
|                | LISTED, 05-64 11 WITH HERD-MATES           | 13                 | 10,218 | 3.9                    | 397                 |          |               |     |
| STATES-        | 50,51                                      |                    |        |                        |                     | 239      | 9,839         | 368 |
|                |  |                    |        |                        |                     | DIFF.    | 379           | 29  |
| 1286765        | .....                                      |                    |        |                        |                     |          |               |     |
|                |  | 5 NDN-AI DAUGHTERS | 10     | 12,258                 | 3.8                 | 467      |               |     |
| STATES-        | 32   | 5 WITH HERD-MATES  | 10     | 12,258                 | 3.8                 | 467      |               |     |
|                |  |                    |        |                        |                     | 6        | 12,185        | 458 |
|                |  |                    |        |                        |                     | DIFF.    | 73            | 9   |
| 1286825        | ADMIRAL LEADER.....                        |                    |        |                        |                     |          |               |     |
| 02-13-56       | 915940 2837940 23 NDN-AI DAUGHTERS         | 43                 | 12,465 | 3.5                    | 436                 |          |               |     |
|                | LISTED, 08-63 23 WITH HERD-MATES           | 42                 | 12,493 | 3.5                    | 435                 |          |               |     |
| STATES-        | 35   |                    |        |                        |                     | 15       | 12,287        | 475 |
|                |  |                    |        |                        |                     | DIFF.    | 206           | 40- |
| 1286826        | PINEHURST KLAZERINA CHAMPION.....          |                    |        |                        |                     |          |               |     |
| 07-02-56       | 1189593 2631241 17 NDN-AI DAUGHTERS        | 31                 | 14,807 | 3.5                    | 514                 |          |               |     |
| AI STUD, 35-02 | LISTED, 05-64 17 WITH HERD-MATES           | 31                 | 14,807 | 3.5                    | 514                 |          |               |     |
| STATES-        | 35,56,74                                   |                    |        |                        |                     | 23       | 14,774        | 549 |
|                |  |                    |        |                        |                     | DIFF.    | 33            | 35- |
| 1286840        | MERIWETHER HECTOR LEADER.....              |                    |        |                        |                     |          |               |     |
| 09-07-56       | 915940 2589153 19 NDN-AI DAUGHTERS         | 31                 | 14,810 | 3.5                    | 516                 |          |               |     |
|                | LISTED, 08-63 19 WITH HERD-MATES           | 31                 | 14,810 | 3.5                    | 516                 |          |               |     |
| STATES-        | 31,35                                      |                    |        |                        |                     | 15       | 13,400        | 487 |
|                |  |                    |        |                        |                     | DIFF.    | 1410          | 29  |
| 1286897        | IDEAL F08ES WIS BURKE.....                 |                    |        |                        |                     |          |               |     |
| 10-21-55       | 1235097 3190625 22 NDN-AI DAUGHTERS        | 43                 | 12,729 | 3.7                    | 465                 |          |               |     |
|                | LISTED, 01-63 22 WITH HERD-MATES           | 42                 | 12,719 | 3.7                    | 465                 |          |               |     |
| STATES-        | 48,63                                      |                    |        |                        |                     | 30       | 13,055        | 480 |
|                |  |                    |        |                        |                     | DIFF.    | 336-          | 15- |
| 1286917        | SPERGER MADCAP SKYMARK.....                |                    |        |                        |                     |          |               |     |
| 10-17-55       | 1070226 2893012 26 NON-AI DAUGHTERS        | 47                 | 14,563 | 3.5                    | 510                 |          |               |     |
|                | LISTED, 08-62 26 WITH HERD-MATES           | 47                 | 14,563 | 3.5                    | 510                 |          |               |     |
| STATES-        | 91   |                    |        |                        |                     | 4        | 15,085        | 525 |
|                |  |                    |        |                        |                     | DIFF.    | 522-          | 15- |
| 1286934        | 8E GLAD MAJDR.....                         |                    |        |                        |                     |          |               |     |
| 05-29-56       | 1024453 2979984 20 NON-AI DAUGHTERS        | 43                 | 15,707 | 4.1                    | 643                 |          |               |     |
| AI STUD, 21-01 | LISTED, 03-64 20 WITH HERD-MATES           | 43                 | 15,707 | 4.1                    | 643                 |          |               |     |
| STATES-        | 21   |                    |        |                        |                     | 19       | 14,866        | 589 |
|                |  |                    |        |                        |                     | DIFF.    | 841           | 54  |
| 1287023        | SHAWs CRETE DUNLGGIN AIM TIDY.....         |                    |        |                        |                     |          |               |     |
| 08-10-56       | 972500 3459607 20 AI DAUGHTERS-08          | 54                 | 15,816 | 3.8                    | 608                 |          |               |     |
| AI STUD, 61-01 | LISTED, 05-64 20 WITH HERD-MATES           | 54                 | 15,816 | 3.8                    | 608                 |          |               |     |
| STATES-        | 55   |                    |        |                        |                     | 44       | 15,677        | 590 |
|                |  |                    |        |                        |                     | DIFF.    | 139           | 18  |
| 1287075        | US8DRNDALe SIR VAR BURKE F08ES.....        |                    |        |                        |                     |          |               |     |
| 12-14-55       | 934577 3539320 33 NDN-AI DAUGHTERS         | 57                 | 12,477 | 3.5                    | 441                 |          |               |     |
|                | LISTED, 01-63 33 WITH HERD-MATES           | 57                 | 12,477 | 3.5                    | 441                 |          |               |     |
| STATES-        | 21   |                    |        |                        |                     | 24       | 11,840        | 423 |
|                |  |                    |        |                        |                     | DIFF.    | 637           | 18  |
| 1287077        | DS8DRNDALe PRINCE ORMSBY F08ES - TWIN..... |                    |        |                        |                     |          |               |     |
| 01-01-56       | 934577 3378364 5 AI DAUGHTERS-05           | 5                  | 10,532 | 3.6                    | 378                 |          |               |     |
| AI STUD, 94-01 | LISTED, 05-64 5 WITH HERD-MATES            | 5                  | 10,532 | 3.6                    | 378                 |          |               |     |
| STATES-        | 94   |                    |        |                        |                     | 41       | 9,922         | 337 |
|                |  |                    |        |                        |                     | DIFF.    | 610           | 41  |
| 1287089        | DS8ORNDALe KING INKA F08ES.....            |                    |        |                        |                     |          |               |     |
| 10-19-56       | 934577 2475925 626 AI DAUGHTERS-25*        | 1024               | 13,583 | 3.8                    | 515                 |          |               |     |
| AI STUD, 23-02 | LISTED, 05-64 621 WITH HERD-MATES          | 1011               | 13,608 | 3.8                    | 516                 |          |               |     |
| STATES-        | 21,23,50,51                                |                    |        |                        |                     | 14       | 13,374        | 494 |
|                |  |                    |        |                        |                     | DIFF.    | 234           | 22  |
| 1287090        | OS8ORNDALe SIR F08ES IVANHDE.....          |                    |        |                        |                     |          |               |     |
| 09-15-56       | 1189870 3539319 26 NON-AI DAUGHTERS        | 46                 | 13,533 | 4.1                    | 560                 |          |               |     |
| AI STUD, 41-25 | LISTED, 05-64 25 WITH HERD-MATES           | 45                 | 13,670 | 4.1                    | 567                 |          |               |     |
| STATES-        | 35,41                                      |                    |        |                        |                     | 15       | 13,597        | 500 |
|                |  |                    |        |                        |                     | DIFF.    | 73            | 67  |
| 1287109        | WASTATE NORLUM LEADER MADCAP.....          |                    |        |                        |                     |          |               |     |
| 05-12-54       | 955524 3347775 12 NDN-AI DAUGHTERS         | 20                 | 17,281 | 3.3                    | 563                 |          |               |     |
|                | LISTED, 08-62 12 WITH HERD-MATES           | 20                 | 17,281 | 3.3                    | 563                 |          |               |     |
| STATES-        | 91   |                    |        |                        |                     | 35       | 16,280        | 523 |
|                |  |                    |        |                        |                     | DIFF.    | 1001          | 40  |
| 1287113        | UNH GOLDEN AIM DULCET.....                 |                    |        |                        |                     |          |               |     |
| 10-26-56       | 1184889 3911526 14 NDN-AI DAUGHTERS        | 21                 | 12,682 | 3.8                    | 484                 |          |               |     |
|                | LISTED, 08-63 14 WITH HERD-MATES           | 21                 | 12,682 | 3.8                    | 484                 |          |               |     |
| STATES-        | 11,12,14                                   |                    |        |                        |                     | 34       | 12,368        | 469 |
|                |  |                    |        |                        |                     | DIFF.    | 314           | 15  |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN       |                                   |     |                  | AV. PRODUCTION | DF     | DAU. | ADJ. HERO-MATES | AV.    | PREOICTED AV. |     |        |     |
|----------------|-----------------------------------|-----|------------------|----------------|--------|------|-----------------|--------|---------------|-----|--------|-----|
|                |                                   |     |                  | RECORDS        | MILK   | TEST | FAT             | AV.    | MILK          | FAT | MILK   | FAT |
|                |                                   |     |                  | NUMBER         | L8     | %    | L8              | NUMBER | L8            | L8  | L8     | L8  |
| 1287199        | AL-BETH EOEN ORMSBY EMPORER.....  |     |                  |                |        |      |                 |        |               |     |        |     |
| 06-28-56       | 1048342 2804174                   | 15  | NON-AI DAUGHTERS | 30             | 13,083 | 3.9  | 510             |        |               |     |        |     |
|                | LISTED, 01-63                     | 15  | WITH HERD-MATES  | 30             | 13,083 | 3.9  | 510             |        |               |     |        |     |
| STATES-        | 32                                |     |                  |                |        |      |                 | 6      | 14,022        | 530 |        |     |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 939-          | 20- |        |     |
| 1287248        | STEILACODM MADCAP GETTIE.....     |     |                  |                |        |      |                 |        |               |     |        |     |
| 12-09-55       | 1102488 2555374                   | 16  | NON-AI DAUGHTERS | 20             | 19,402 | 2.9  | 563             |        |               |     |        |     |
|                | LISTED, 03-64                     | 16  | WITH HERD-MATES  | 20             | 19,402 | 2.9  | 563             |        |               |     |        |     |
| STATES-        | 91                                |     |                  |                |        |      |                 | 35     | 18,194        | 531 |        |     |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 1208          | 32  |        |     |
| 1287390        | COWHAVEN WANOVA T08Y.....         |     |                  |                |        |      |                 |        |               |     |        |     |
| 09-10-56       | 999771 3880214                    | 9   | NON-AI DAUGHTERS | 14             | 12,140 | 3.7  | 446             |        |               |     |        |     |
|                | LISTED, 11-63                     | 9   | WITH HERD-MATES  | 14             | 12,140 | 3.7  | 446             |        |               |     |        |     |
| STATES-        | 34                                |     |                  |                |        |      |                 | 14     | 13,588        | 480 |        |     |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 1448-         | 34- |        |     |
| 1287410        | SNIKREP ROCKET PETE.....          |     |                  |                |        |      |                 |        |               |     |        |     |
| 07-23-55       | 1238111 3558255                   | 9   | NON-AI DAUGHTERS | 9              | 11,243 | 3.2  | 358             |        |               |     |        |     |
|                | LISTED, 03-64                     | 9   | WITH HERD-MATES  | 9              | 11,243 | 3.2  | 358             |        |               |     |        |     |
| STATES-        | 46                                |     |                  |                |        |      |                 | 6      | 12,740        | 426 |        |     |
|                |                                   |     |                  |                |        |      |                 | DIFF.  | 1497-         | 68- |        |     |
| 1287445        | ORMSBY F08ES CANARY DON.....      |     |                  |                |        |      |                 |        |               |     |        |     |
| 02-06-56       | 1198986 3954151                   | 24  | NON-AI DAUGHTERS | 33             | 11,722 | 3.8  | 449             |        |               |     |        |     |
|                | LISTED, 08-63                     | 12  | WITH HERD-MATES  | 16             | 11,816 | 3.8  | 450             |        |               |     |        |     |
| STATES-        | 35                                |     |                  |                |        |      |                 | 11     | 12,226        | 445 |        |     |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 410-          | 5   |        |     |
| 1287490        | SUNNYSIDE LEADER LAO.....         |     |                  |                |        |      |                 |        |               |     |        |     |
| 09-13-56       | 915940 3187309                    | 15  | NON-AI DAUGHTERS | 24             | 15,359 | 3.8  | 579             |        |               |     |        |     |
| AI STUO, 63-02 | LISTED, 05-64                     | 15  | WITH HERD-MATES  | 24             | 15,359 | 3.8  | 579             |        |               |     |        |     |
| STATES-        | 23,35                             |     |                  |                |        |      |                 | 16     | 15,143        | 556 |        |     |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 216           | 23  |        |     |
| 1287549        | .....                             |     |                  |                |        |      |                 |        |               |     |        |     |
|                |                                   | 9   | NON-AI DAUGHTERS | 10             | 13,902 | 3.5  | 481             |        |               |     |        |     |
| STATES-        | 73,74                             | 9   | WITH HERD-MATES  | 10             | 13,902 | 3.5  | 481             |        |               |     |        |     |
|                |                                   |     |                  |                |        |      |                 | 28     | 12,911        | 448 |        |     |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 991           | 33  |        |     |
| 1287655        | .....                             |     |                  |                |        |      |                 |        |               |     |        |     |
|                |                                   | 8   | NON-AI DAUGHTERS | 11             | 11,393 | 3.6  | 410             |        |               |     |        |     |
| STATES-        | 31,32                             | 8   | WITH HERD-MATES  | 11             | 11,393 | 3.6  | 410             |        |               |     |        |     |
|                |                                   |     |                  |                |        |      |                 | 8      | 13,221        | 474 |        |     |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 1828-         | 64- |        |     |
| 1287905        | MALLARY RAG APPLE AOAM.....       |     |                  |                |        |      |                 |        |               |     |        |     |
| 04-13-56       | 1237747 3463539                   | 14  | NON-AI DAUGHTERS | 17             | 15,048 | 4.1  | 615             |        |               |     |        |     |
|                | LISTED, 03-64                     | 14  | WITH HERD-MATES  | 17             | 15,048 | 4.1  | 615             |        |               |     |        |     |
| STATES-        | 12,13,16,23                       |     |                  |                |        |      |                 | 20     | 14,967        | 585 |        |     |
|                |                                   |     |                  |                |        |      |                 | DIFF.  | 81            | 30  |        |     |
| 1287908        | GLENDAK CRESCENT CLOTHILOE.....   |     |                  |                |        |      |                 |        |               |     |        |     |
| 08-15-56       | 949159 3386311                    | 9   | NON-AI DAUGHTERS | 11             | 11,487 | 3.5  | 404             |        |               |     |        |     |
|                | LISTED, 11-63                     | 9   | WITH HERD-MATES  | 11             | 11,487 | 3.5  | 404             |        |               |     |        |     |
| STATES-        | 21,23                             |     |                  |                |        |      |                 | 15     | 12,682        | 467 |        |     |
|                |                                   |     |                  |                |        |      |                 | DIFF.  | 1195-         | 63- |        |     |
| 1287933        | MAUR-LIND LOCHINVAR VAMP.....     |     |                  |                |        |      |                 |        |               |     |        |     |
| 08-11-56       | 961535 3209136                    | 25  | NON-AI DAUGHTERS | 27             | 16,185 | 3.4  | 549             |        |               |     |        |     |
|                | LISTED, 03-64                     | 25  | WITH HERD-MATES  | 27             | 16,185 | 3.4  | 549             |        |               |     |        |     |
| STATES-        | 93                                |     |                  |                |        |      |                 | 134    | 16,715        | 571 |        |     |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 530-          | 22- |        |     |
| 1288023        | PABST ZEPHYR.....                 |     |                  |                |        |      |                 |        |               |     |        |     |
| 10-01-56       | 1215958 3434072                   | 12  | NON-AI DAUGHTERS | 22             | 12,429 | 3.6  | 442             |        |               |     |        |     |
|                | LISTED, 01-63                     | 12  | WITH HERD-MATES  | 22             | 12,429 | 3.6  | 442             |        |               |     |        |     |
| STATES-        | 33,56,57,64                       |     |                  |                |        |      |                 | 17     | 12,598        | 469 |        |     |
|                |                                   |     |                  |                |        |      |                 | DIFF.  | 169-          | 27- |        |     |
| 1288038        | BALLAROVALE COCHRAN PETER.....    |     |                  |                |        |      |                 |        |               |     |        |     |
| 09-04-56       | 1007680 3239949                   | 9   | NON-AI DAUGHTERS | 11             | 13,779 | 4.0  | 551             |        |               |     |        |     |
|                | LISTED, 11-63                     | 9   | WITH HERD-MATES  | 10             | 13,869 | 4.0  | 558             |        |               |     |        |     |
| STATES-        | 13,16                             |     |                  |                |        |      |                 | 16     | 12,890        | 499 |        |     |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 979           | 59  |        |     |
| 1288108        | FRASEA MARK NETHERLANO.....       |     |                  |                |        |      |                 |        |               |     |        |     |
| 08-06-55       | 010153547 010567507               | 14  | NON-AI DAUGHTERS | 24             | 13,980 | 3.6  | 504             |        |               |     |        |     |
| AI STUO, 35-05 | LISTED, 05-64                     | 14  | WITH HERD-MATES  | 24             | 13,980 | 3.6  | 504             |        |               |     |        |     |
| STATES-        | 82                                |     |                  |                |        |      |                 | 9      | 13,904        | 518 |        |     |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 76            | 14- |        |     |
| 1288118        | SISSON FARMS ROSE ARA8 ZIGO.....  |     |                  |                |        |      |                 |        |               |     |        |     |
| 06-06-56       | 1194979 2879910                   | 23  | NON-AI DAUGHTERS | 24             | 15,032 | 3.8  | 566             |        |               |     |        |     |
|                | LISTED, 11-63                     | 23  | WITH HERD-MATES  | 24             | 15,032 | 3.8  | 566             |        |               |     |        |     |
| STATES-        | 57                                |     |                  |                |        |      |                 | 47     | 14,810        | 568 |        |     |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 222           | 2-  |        |     |
| 1288125        | SISSON FARMS OOU8LE OEAN.....     |     |                  |                |        |      |                 |        |               |     |        |     |
| 10-26-56       | 1049547 3439839                   | 26  | AI DAUGHTERS-07  | 57             | 15,842 | 3.7  | 587             |        |               |     |        |     |
| AI STUO, 55-01 | LISTED, 05-64                     | 26  | WITH HERD-MATES  | 57             | 15,842 | 3.7  | 587             |        |               |     |        |     |
| STATES-        | 55                                |     |                  |                |        |      |                 | 45     | 15,719        | 585 | 12,776 | 465 |
|                |                                   |     |                  |                |        |      |                 | DIFF.  | 123           | 2   |        |     |
| 1288139        | COOLIDGE ORMSBY ROSEY OON 8.....  |     |                  |                |        |      |                 |        |               |     |        |     |
| 07-31-56       | 1230653 3609979                   | 18  | NON-AI DAUGHTERS | 26             | 13,981 | 3.8  | 527             |        |               |     |        |     |
|                | LISTED, 08-63                     | 18  | WITH HERD-MATES  | 26             | 13,981 | 3.8  | 527             |        |               |     |        |     |
| STATES-        | 86                                |     |                  |                |        |      |                 | 35     | 14,927        | 542 |        |     |
|                |                                   |     |                  |                |        |      |                 | DIFF.  | 946-          | 15- |        |     |
| 1288194        | FAIR8ROOK LUCIFER ROAMER.....     |     |                  |                |        |      |                 |        |               |     |        |     |
| 01-05-56       | 1102436 3796343                   | 387 | AI DAUGHTERS-25* | 660            | 13,714 | 4.0  | 552             |        |               |     |        |     |
| AI STUO, 16-04 | LISTED, 05-64                     | 345 | WITH HERD-MATES  | 592            | 13,729 | 4.0  | 554             |        |               |     |        |     |
| STATES-        | 12,13,14,15,16,21,22              |     |                  |                |        |      |                 | 23     | 13,525        | 501 | 12,768 | 511 |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 204           | 53  |        |     |
|                |                                   | 1   | NON-AI DAUGHTERS | 1              | 8,830  | 4.3  | 378             |        |               |     |        |     |
|                |                                   | 1   | WITH HERD-MATES  | 1              | 8,830  | 4.3  | 378             |        |               |     |        |     |
|                |                                   |     |                  |                |        |      |                 | 14     | 11,343        | 420 |        |     |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 2513-         | 42- |        |     |
| 1288207        | PACIFIC SLOPE IOEAL SEGIS.....    |     |                  |                |        |      |                 |        |               |     |        |     |
| 05-01-56       | 1226861 2542470                   | 20  | AI DAUGHTERS-04  | 43             | 15,363 | 3.4  | 522             |        |               |     |        |     |
| AI STUO, 93-03 | LISTED, 08-63                     | 20  | WITH HERD-MATES  | 43             | 15,363 | 3.4  | 522             |        |               |     |        |     |
| STATES-        | 87,92,93                          |     |                  |                |        |      |                 | 139    | 15,009        | 546 | 12,848 | 446 |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 354           | 24- |        |     |
| 1288224        | OICKS PLACE RAG APPLE LUCIUS..... |     |                  |                |        |      |                 |        |               |     |        |     |
| 06-19-56       | 1237747 2716020                   | 13  | NON-AI DAUGHTERS | 22             | 13,709 | 3.5  | 483             |        |               |     |        |     |
|                | LISTED, 01-63                     | 13  | WITH HERD-MATES  | 22             | 13,709 | 3.5  | 483             |        |               |     |        |     |
| STATES-        | 21                                |     |                  |                |        |      |                 | 19     | 14,844        | 529 |        |     |
|                |                                   |     |                  |                |        |      |                 | OIFF.  | 1135-         | 46- |        |     |

## SIREs OF OHIA DAUGHTERS

| HDLSTEIN   | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|  | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1288309 HIS PRINCE SYMBDL.....                           |                        |            |           |           |                     |            |           |               |           |
| 10-29-56 1189593 3262642 5 AI DAUGHTERS-04               | 5                      | 12,334     | 3.5       | 437       |                     |            |           |               |           |
| AI STUD, 41-25 LISTED, 05-64 5 WITH HERD-MATES           | 5                      | 12,334     | 3.5       | 437       | 21                  | 12,508     | 456       | 12,422        | 449       |
| STATES- 42,43,84   |                        |            |           |           | DIFF.               | 174-       | 19-       |               |           |
| 14 NON-AI DAUGHTERS                                      | 33                     | 17,059     | 3.4       | 579       | 6                   | 15,401     | 528       |               |           |
| 14 WITH HERD-MATES                                       | 33                     | 17,059     | 3.4       | 579       | DIFF.               | 1658       | 51        |               |           |
| 1288310 HIS DYNAMD SUPERIDR.....                         |                        |            |           |           |                     |            |           |               |           |
| 10-31-56 1192327 3329574 20 NON-AI DAUGHTERS             | 30                     | 13,702     | 4.0       | 552       |                     |            |           |               |           |
| LISTED, 08-63 20 WITH HERD-MATES                         | 30                     | 13,702     | 4.0       | 552       | 25                  | 13,513     | 520       |               |           |
| STATES- 35   |                        |            |           |           | DIFF.               | 189        | 32        |               |           |
| 1288359 .....  |                        |            |           |           |                     |            |           |               |           |
| STATES- 54   | 17                     | 11,097     | 4.0       | 443       | 2                   | 11,744     | 396       |               |           |
|  | 17                     | 11,097     | 4.0       | 443       | DIFF.               | 647-       | 47        |               |           |
| 1288514 BRQDK LDOGE MASTER MARK.....                     |                        |            |           |           |                     |            |           |               |           |
| 10-01-56 967010 3513421 13 NON-AI DAUGHTERS              | 24                     | 13,892     | 3.7       | 510       |                     |            |           |               |           |
| LISTED, 08-63 13 WITH HERD-MATES                         | 24                     | 13,892     | 3.7       | 510       | 4                   | 13,330     | 493       |               |           |
| STATES- 23   |                        |            |           |           | DIFF.               | 562        | 17        |               |           |
| 1288546 ELMER BRQDK HDMESTEAD FORTUNE.....               |                        |            |           |           |                     |            |           |               |           |
| 08-17-56 1236789 3645056 14 NON-AI DAUGHTERS             | 23                     | 12,227     | 3.7       | 458       |                     |            |           |               |           |
| STATES- 42 14 WITH HERD-MATES                            | 23                     | 12,227     | 3.7       | 458       | 14                  | 12,499     | 471       |               |           |
|  |                        |            |           |           | DIFF.               | 272-       | 13-       |               |           |
| 1288554 SDDAPEN STAR CONFIDENT.....                      |                        |            |           |           |                     |            |           |               |           |
| 04-01-56 1224759 3099052 30 NON-AI DAUGHTERS             | 35                     | 12,470     | 3.4       | 423       |                     |            |           |               |           |
| LISTED, 03-64 29 WITH HERD-MATES                         | 34                     | 12,506     | 3.4       | 422       | 9                   | 12,952     | 458       |               |           |
| STATES- 46   |                        |            |           |           | DIFF.               | 446-       | 36-       |               |           |
| 1288598 TILFA MAN-D-WAR EMPERDR.....                     |                        |            |           |           |                     |            |           |               |           |
| 10-14-54 1141782 3536544 14 NON-AI DAUGHTERS             | 24                     | 13,736     | 3.6       | 494       |                     |            |           |               |           |
| STATES- 41 14 WITH HERD-MATES                            | 24                     | 13,736     | 3.6       | 494       | 4                   | 13,191     | 479       |               |           |
|  |                        |            |           |           | DIFF.               | 545        | 15        |               |           |
| 1288602 .....  |                        |            |           |           |                     |            |           |               |           |
| STATES- 32   | 14                     | 10,211     | 3.6       | 372       | 8                   | 10,333     | 377       |               |           |
|  | 14                     | 10,211     | 3.6       | 372       | DIFF.               | 122-       | 5-        |               |           |
| 1288605 SKOKIE G CREATION CRDWN - TWIN.....              |                        |            |           |           |                     |            |           |               |           |
| 11-03-56 1126982 3684071 12 NON-AI DAUGHTERS             | 16                     | 13,903     | 3.6       | 502       |                     |            |           |               |           |
| LISTED, 08-63 12 WITH HERD-MATES                         | 16                     | 13,903     | 3.6       | 502       | 7                   | 14,717     | 516       |               |           |
| STATES- 33,42,43   |                        |            |           |           | DIFF.               | 814-       | 14-       |               |           |
| 1288610 .....  |                        |            |           |           |                     |            |           |               |           |
| AI STUD, 33-03   | 7                      | 15,856     | 3.6       | 565       | 29                  | 14,610     | 522       |               |           |
| STATES- 16,21,23,31,34,51,54                             | 7                      | 15,856     | 3.6       | 565       | DIFF.               | 1246       | 43        |               |           |
| 1288633 LDCUST HILL BELDEAN STAR.....                    |                        |            |           |           |                     |            |           |               |           |
| 03-15-56 905683 3283471 164 AI DAUGHTERS-25*             | 341                    | 12,902     | 3.6       | 470       |                     |            |           |               |           |
| AI STUD, 21-01 LISTED, 08-62 156 WITH HERD-MATES         | 326                    | 12,930     | 3.7       | 472       | 21                  | 13,300     | 481       | 12,207        | 449       |
| STATES- 13,14,21,51,55                                   |                        |            |           |           | DIFF.               | 370-       | 9-        |               |           |
| 5 NON-AI DAUGHTERS                                       | 9                      | 11,005     | 3.5       | 387       | 20                  | 12,236     | 451       |               |           |
| 5 WITH HERD-MATES  | 9                      | 11,005     | 3.5       | 387       | DIFF.               | 1231-      | 64-       |               |           |
| 1288721 CARNATION EMBLEM COMER.....                      |                        |            |           |           |                     |            |           |               |           |
| 07-06-56 1237664 3701770 29 NON-AI DAUGHTERS             | 44                     | 15,597     | 3.6       | 560       |                     |            |           |               |           |
| AI STUD, 34-01 LISTED, 05-64 29 WITH HERD-MATES          | 44                     | 15,597     | 3.6       | 560       | 19                  | 13,997     | 500       |               |           |
| STATES- 34,61,74,85                                      |                        |            |           |           | DIFF.               | 1600       | 60        |               |           |
| 1288791 CURLES GOVERNOR CHIEF.....                       |                        |            |           |           |                     |            |           |               |           |
| 09-18-56 944516 2903902 9 NON-AI DAUGHTERS               | 12                     | 13,310     | 3.6       | 478       |                     |            |           |               |           |
| LISTED, 11-63 9 WITH HERD-MATES                          | 12                     | 13,310     | 3.6       | 478       | 45                  | 13,317     | 461       |               |           |
| STATES- 52   |                        |            |           |           | DIFF.               | 7-         | 17        |               |           |
| 1288805 SUTTEN DAKS HISTORIAN JDHANNA.....               |                        |            |           |           |                     |            |           |               |           |
| 08-07-51 1054623 2433801 9 NON-AI DAUGHTERS              | 9                      | 16,401     | 3.7       | 602       |                     |            |           |               |           |
| LISTED, 03-64 9 WITH HERD-MATES                          | 9                      | 16,401     | 3.7       | 602       | 143                 | 17,020     | 586       |               |           |
| STATES- 93   |                        |            |           |           | DIFF.               | 619-       | 16        |               |           |
| 1288851 MASTER CHALLENGER BDNIE PLACE.....               |                        |            |           |           |                     |            |           |               |           |
| 10-11-51 010211378 010695011 1543 AI DAUGHTERS-25*       | 2527                   | 12,419     | 3.8       | 476       |                     |            |           |               |           |
| AI STUD, 33-01 LISTED, 05-64 1488 WITH HERD-MATES        | 2439                   | 12,474     | 3.8       | 478       | 16                  | 13,064     | 490       | 11,945        | 446       |
| STATES- 21,23,31,32,33,35,41, 43,52,54,55,56,57,63,64,65 |                        |            |           |           | DIFF.               | 590-       | 12-       |               |           |
| 1 NON-AI DAUGHTERS                                       | 2                      | 13,110     | 3.8       | 498       | 34                  | 13,494     | 494       |               |           |
| 1 WITH HERD-MATES  | 2                      | 13,110     | 3.8       | 498       | DIFF.               | 384-       | 4         |               |           |
| 1288924 OAK DELL JULE FDBES ECHD.....                    |                        |            |           |           |                     |            |           |               |           |
| 09-10-56 879452 3058826 12 NON-AI DAUGHTERS              | 17                     | 15,655     | 3.6       | 563       |                     |            |           |               |           |
| LISTED, 11-63 12 WITH HERD-MATES                         | 17                     | 15,655     | 3.6       | 563       | 21                  | 14,667     | 526       |               |           |
| STATES- 32   |                        |            |           |           | DIFF.               | 988        | 37        |               |           |
| 1289051 TRIPLE IDEAL BESS.....                           |                        |            |           |           |                     |            |           |               |           |
| 09-15-55 1200298 3818994 17 NON-AI DAUGHTERS             | 19                     | 12,585     | 3.5       | 445       |                     |            |           |               |           |
| LISTED, 03-64 17 WITH HERD-MATES                         | 19                     | 12,585     | 3.5       | 445       | 13                  | 14,204     | 517       |               |           |
| STATES- 48   |                        |            |           |           | DIFF.               | 1619-      | 72-       |               |           |
| 1289151 GOVERNOR MATHIS FOND LDCHINVAR.....              |                        |            |           |           |                     |            |           |               |           |
| 08-22-56 1259197 4063695 13 NON-AI DAUGHTERS             | 14                     | 13,477     | 3.2       | 432       |                     |            |           |               |           |
| LISTED, 03-64 13 WITH HERD-MATES                         | 14                     | 13,477     | 3.2       | 432       | 53                  | 15,066     | 460       |               |           |
| STATES- 57   |                        |            |           |           | DIFF.               | 1589-      | 28-       |               |           |
| 1289329 .....  |                        |            |           |           |                     |            |           |               |           |
| STATES- 93   | 9                      | 14,220     | 3.6       | 507       | 45                  | 16,339     | 580       |               |           |
|  | 9                      | 14,220     | 3.6       | 507       | DIFF.               | 2119-      | 73-       |               |           |



| SIRE OF DHIA DAUGHTERS                           |  |  |  | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--|--|--|--|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
| HOLSTEIN   |  |  |  | RECORDS<br>NUMBER      | MILK<br>L8 | TEST<br>% | FAT<br>L8 | NUMBER              | MILK<br>L8 | FAT<br>L8 | MILK<br>L8    | FAT<br>L8 |
| 1289440 ZURCHER KING BURKE ORMSBY.....           |  |  |  |                        |            |           |           |                     |            |           |               |           |
| D4-20-55 1168008 3496898 11 NDN-AI DAUGHTERS     |  |  |  | 15                     | 10,782     | 3.5       | 372       |                     |            |           |               |           |
| LISTED, D8-63 11 WITH HERD-MATES                 |  |  |  | 15                     | 10,782     | 3.5       | 372       | 25                  | 10,001     | 346       |               |           |
| STATES- 55                                       |  |  |  |                        |            |           |           | DIFF.               | 781        | 26        |               |           |
| 128945D .....                                    |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 10 NDN-AI DAUGHTERS                              |  |  |  | 10                     | 10,220     | 3.6       | 367       |                     |            |           |               |           |
| STATES- 73 10 WITH HERD-MATES                    |  |  |  | 10                     | 10,220     | 3.6       | 367       | 9                   | 10,300     | 366       |               |           |
|  |  |  |  |                        |            |           |           | DIFF.               | 80-        | 1         |               |           |
| 1289531 DDNCROFT FAITHFUL MASTER.....            |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 1D-19-56 1168575 3689043 9 NON-AI DAUGHTERS      |  |  |  | 12                     | 12,156     | 3.6       | 442       |                     |            |           |               |           |
| LISTED, 11-63 8 WITH HERD-MATES                  |  |  |  | 11                     | 12,434     | 3.7       | 457       | 5                   | 12,588     | 482       |               |           |
| STATES- 23                                       |  |  |  |                        |            |           |           | DIFF.               | 154-       | 25-       |               |           |
| 1289532 HOWARD FARM SIR PA8ST COLANTHA.....      |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 08-13-56 1D24453 3750377 19 NON-AI DAUGHTERS     |  |  |  | 33                     | 17,377     | 3.7       | 651       |                     |            |           |               |           |
| AI STUD, 35-75 LISTED, 08-63 19 WITH HERD-MATES  |  |  |  | 32                     | 17,361     | 3.7       | 648       | 40                  | 17,856     | 660       |               |           |
| STATES- 23                                       |  |  |  |                        |            |           |           | DIFF.               | 495-       | 12-       |               |           |
| 1289562 .....                                    |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 7 NDN-AI DAUGHTERS                               |  |  |  | 11                     | 11,857     | 3.6       | 430       |                     |            |           |               |           |
| STATES- 31 7 WITH HERD-MATES                     |  |  |  | 11                     | 11,857     | 3.6       | 430       | 8                   | 12,438     | 449       |               |           |
|  |  |  |  |                        |            |           |           | DIFF.               | 581-       | 19-       |               |           |
| 1289568 LAURELCREST RAG APPLE ACE.....           |  |  |  |                        |            |           |           |                     |            |           |               |           |
| D5-D7-56 837025 2526927 24 NON-AI DAUGHTERS      |  |  |  | 26                     | 11,494     | 3.6       | 410       |                     |            |           |               |           |
| LISTED, 11-63 24 WITH HERD-MATES                 |  |  |  | 26                     | 11,494     | 3.6       | 410       | 12                  | 13,631     | 458       |               |           |
| STATES- 21                                       |  |  |  |                        |            |           |           | DIFF.               | 2137-      | 48-       |               |           |
| 1289574 NETHERLAND TIDY SKYHARK.....             |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 10-15-56 1233437 3921826 33 NON-AI DAUGHTERS     |  |  |  | 53                     | 15,659     | 3.7       | 580       |                     |            |           |               |           |
| AI STUD, 41-01 LISTED, 03-64 33 WITH HERD-MATES  |  |  |  | 53                     | 15,659     | 3.7       | 580       | 9                   | 14,041     | 506       |               |           |
| STATES- 41,48                                    |  |  |  |                        |            |           |           | DIFF.               | 1618       | 74        |               |           |
| 1289577 LDCUSTDALE HAZEL CONTENDER.....          |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 04-11-56 1200379 3170691 11 NON-AI DAUGHTERS     |  |  |  | 19                     | 12,666     | 3.6       | 462       |                     |            |           |               |           |
| LISTED, D8-63 11 WITH HERD-MATES                 |  |  |  | 18                     | 12,689     | 3.6       | 461       | 9                   | 12,418     | 450       |               |           |
| STATES- 35,74                                    |  |  |  |                        |            |           |           | DIFF.               | 271        | 11        |               |           |
| 1289578 KYLAND CASCADE BURKE 19TH.....           |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 11-1D-56 1063862 2464644 9 NDN-AI DAUGHTERS      |  |  |  | 12                     | 12,680     | 3.4       | 430       |                     |            |           |               |           |
| LISTED, 11-63 9 WITH HERD-MATES                  |  |  |  | 12                     | 12,680     | 3.4       | 430       | 15                  | 13,158     | 451       |               |           |
| STATES- 35                                       |  |  |  |                        |            |           |           | DIFF.               | 478-       | 21-       |               |           |
| 1289586 BRAUNS 8LDM.....                         |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 11-13-55 1228045 2489892 37 AI DAUGHTERS-25*     |  |  |  | 52                     | 13,696     | 3.6       | 489       |                     |            |           |               |           |
| AI STUD, 35-D5 LISTED, 05-64 36 WITH HERD-MATES  |  |  |  | 50                     | 13,690     | 3.6       | 488       | 15                  | 12,771     | 467       | 13,183        | 472       |
| STATES- 21,35,41,51,56,61                        |  |  |  |                        |            |           |           | DIFF.               | 919        | 21        |               |           |
| 7 NDN-AI DAUGHTERS                               |  |  |  | 20                     | 14,403     | 3.6       | 522       |                     |            |           |               |           |
| 6 WITH HERD-MATES                                |  |  |  | 19                     | 13,811     | 3.6       | 495       | 28                  | 12,686     | 456       |               |           |
|  |  |  |  |                        |            |           |           | DIFF.               | 1125       | 39        |               |           |
| 1289588 BRAUNS LEADER.....                       |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 11-30-55 915940 3188644 12 AI DAUGHTERS-D7       |  |  |  | 12                     | 13,173     | 3.8       | 496       |                     |            |           |               |           |
| AI STUD, 93-05 LISTED, 05-64 11 WITH HERD-MATES  |  |  |  | 11                     | 13,641     | 3.8       | 513       | 44                  | 14,862     | 526       | 12,009        | 452       |
| STATES- 86,91,93                                 |  |  |  |                        |            |           |           | DIFF.               | 1221-      | 13-       |               |           |
| 1 NDN-AI DAUGHTERS                               |  |  |  | 2                      | 15,795     | 4.1       | 653       |                     |            |           |               |           |
| 1 WITH HERD-MATES                                |  |  |  | 2                      | 15,795     | 4.1       | 653       | 162                 | 15,369     | 558       |               |           |
|  |  |  |  |                        |            |           |           | DIFF.               | 426        | 95        |               |           |
| 1289589 BRAUNS REMER CDMET.....                  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 09-29-55 959466 3518653 46 NON-AI DAUGHTERS      |  |  |  | 88                     | 13,715     | 3.7       | 514       |                     |            |           |               |           |
| AI STUD, 41-01 LISTED, 05-64 46 WITH HERD-MATES  |  |  |  | 86                     | 13,690     | 3.7       | 513       | 10                  | 13,068     | 481       |               |           |
| STATES- 35,41,42                                 |  |  |  |                        |            |           |           | DIFF.               | 622        | 32        |               |           |
| 1289592 BRAUNS HDMESTEADER CDMET - TWIN.....     |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 12-10-55 959466 2905810 37 NON-AI DAUGHTERS      |  |  |  | 70                     | 16,606     | 3.6       | 596       |                     |            |           |               |           |
| LISTED, D1-63 37 WITH HERD-MATES                 |  |  |  | 70                     | 16,606     | 3.6       | 596       | 12                  | 16,763     | 614       |               |           |
| STATES- 21                                       |  |  |  |                        |            |           |           | DIFF.               | 157-       | 18-       |               |           |
| 1289595 FRIESEN RIGA SUPREME.....                |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 09-13-56 1183077 376D838 24 NON-AI DAUGHTERS     |  |  |  | 24                     | 16,094     | 3.6       | 574       |                     |            |           |               |           |
| LISTED, D3-64 24 WITH HERD-MATES                 |  |  |  | 24                     | 16,094     | 3.6       | 574       | 15                  | 14,539     | 505       |               |           |
| STATES- 47                                       |  |  |  |                        |            |           |           | DIFF.               | 1555       | 69        |               |           |
| 1289602 .....                                    |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 8 NDN-AI DAUGHTERS                               |  |  |  | 8                      | 12,816     | 3.7       | 474       |                     |            |           |               |           |
| STATES- 21 8 WITH HERD-MATES                     |  |  |  | 8                      | 12,816     | 3.7       | 474       | 14                  | 12,043     | 432       |               |           |
|  |  |  |  |                        |            |           |           | DIFF.               | 773        | 42        |               |           |
| 1289654 .....                                    |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 5 NON-AI DAUGHTERS                               |  |  |  | 5                      | 13,292     | 3.4       | 457       |                     |            |           |               |           |
| STATES- 31 5 WITH HERD-MATES                     |  |  |  | 5                      | 13,292     | 3.4       | 457       | 7                   | 13,163     | 451       |               |           |
|  |  |  |  |                        |            |           |           | DIFF.               | 129        | 6         |               |           |
| 1289678 WISOY ANDY.....                          |  |  |  |                        |            |           |           |                     |            |           |               |           |
| D8-23-56 1183881 2987D47 30 NON-AI DAUGHTERS     |  |  |  | 38                     | 15,218     | 3.4       | 522       |                     |            |           |               |           |
| LISTED, 03-64 30 WITH HERD-MATES                 |  |  |  | 38                     | 15,218     | 3.4       | 522       | 18                  | 13,608     | 462       |               |           |
| STATES- 41                                       |  |  |  |                        |            |           |           | DIFF.               | 1610       | 60        |               |           |
| 1289744 8AYFIELD GRAWIN POSCH LEADER.....        |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 11-15-56 976710 2502D70 1D8 AI DAUGHTERS-25*     |  |  |  | 129                    | 12,904     | 3.9       | 500       |                     |            |           |               |           |
| AI STUD, 16-D4 LISTED, 05-64 105 WITH HERD-MATES |  |  |  | 124                    | 12,929     | 3.9       | 501       | 35                  | 13,938     | 523       | 11,704        | 442       |
| STATES- 13,14,15,16,47                           |  |  |  |                        |            |           |           | DIFF.               | 1009-      | 22-       |               |           |
| 1289781 SPSM MARKSMAN PRILLY.....                |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 11-24-56 1173240 3262255 22 NON-AI DAUGHTERS     |  |  |  | 33                     | 12,329     | 3.6       | 444       |                     |            |           |               |           |
| LISTED, 08-63 22 WITH HERD-MATES                 |  |  |  | 33                     | 12,329     | 3.6       | 444       | 8                   | 12,903     | 490       |               |           |
| STATES- 34                                       |  |  |  |                        |            |           |           | DIFF.               | 574-       | 46-       |               |           |
| 1289880 .....                                    |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 5 NON-AI DAUGHTERS                               |  |  |  | 10                     | 13,253     | 3.5       | 470       |                     |            |           |               |           |
| STATES- 31 5 WITH HERD-MATES                     |  |  |  | 9                      | 13,095     | 3.6       | 468       | 6                   | 12,985     | 463       |               |           |
|  |  |  |  |                        |            |           |           | DIFF.               | 110        | 5         |               |           |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                      |                                      |     |        | AV. PRODUCTION OF | DAU. | ADJ. HERO-MATES AV. | PREDICTED AV. |
|-------------------------------|--------------------------------------|-----|--------|-------------------|------|---------------------|---------------|
|                               |                                      |     |        | RECORDS           | FAT  | AV. MILK            | MILK          |
|                               |                                      |     |        | NUMBER            | L8   | NUMBER              | FAT           |
|                               |                                      |     |        |                   | %    |                     | L8            |
| 1289906                       | .....                                |     |        |                   |      |                     |               |
| STATES- 57                    | 5 NON-AI DAUGHTERS                   | 7   | 9,735  | 3.8               | 367  |                     |               |
|                               | 5 WITH HERD-MATES                    | 7   | 9,735  | 3.8               | 367  | 28                  | 11,354        |
|                               |                                      |     |        |                   |      | DIFF.               | 1619-         |
| 1289910                       | MACHOLD DRMSBY SHIAWANA.....         |     |        |                   |      |                     |               |
| 07-26-56                      | 1087974 3231444 24 NON-AI DAUGHTERS  | 37  | 12,540 | 3.7               | 459  |                     |               |
|                               | LISTED, 08-63 23 WITH HERD-MATES     | 36  | 12,586 | 3.7               | 462  | 23                  | 13,509        |
| STATES- 21                    |                                      |     |        |                   |      | DIFF.               | 923-          |
| 1289932                       | LEDHDS PRINCE FERN LUKE.....         |     |        |                   |      |                     |               |
| 07-26-56                      | 1211442 3317685 16 NON-AI DAUGHTERS  | 21  | 12,270 | 3.6               | 445  |                     |               |
|                               | LISTED, 08-63 16 WITH HERD-MATES     | 21  | 12,270 | 3.6               | 445  | 12                  | 13,375        |
| STATES- 73                    |                                      |     |        |                   |      | DIFF.               | 1105-         |
| 1289947                       | PENDER KANE MASTER KILLARNEY.....    |     |        |                   |      |                     |               |
| 07-01-56                      | 1034913 2599197 9 NON-AI DAUGHTERS   | 13  | 10,697 | 3.7               | 398  |                     |               |
|                               | LISTED, 11-63 9 WITH HERD-MATES      | 13  | 10,697 | 3.7               | 398  | 18                  | 12,678        |
| STATES- 21                    |                                      |     |        |                   |      | DIFF.               | 1981-         |
| 1290000                       | LINDSAY ACRES IMPROVER.....          |     |        |                   |      |                     |               |
| 04-01-56                      | 1189017 3234290 13 NON-AI DAUGHTERS  | 30  | 13,670 | 3.8               | 526  |                     |               |
|                               | LISTED, 08-62 13 WITH HERD-MATES     | 30  | 13,670 | 3.8               | 526  | 17                  | 14,373        |
| STATES- 11                    |                                      |     |        |                   |      | DIFF.               | 703-          |
| 1290004                       | ODNELLEN JULIA MASTERPIECE.....      |     |        |                   |      |                     |               |
| 09-01-55                      | 929952 3563254 13 NON-AI DAUGHTERS   | 19  | 17,834 | 3.5               | 616  |                     |               |
|                               | LISTED, 03-64 13 WITH HERD-MATES     | 19  | 17,834 | 3.5               | 616  | 71                  | 15,375        |
| STATES- 21                    |                                      |     |        |                   |      | DIFF.               | 2459          |
| 1290067                       | .....                                |     |        |                   |      |                     |               |
| STATES- 21,32                 | 6 NON-AI DAUGHTERS                   | 6   | 11,055 | 3.9               | 426  |                     |               |
|                               | 6 WITH HERD-MATES                    | 6   | 11,055 | 3.9               | 426  | 133                 | 12,579        |
|                               |                                      |     |        |                   |      | DIFF.               | 1524-         |
| 1290068                       | .....                                |     |        |                   |      |                     |               |
| STATES- 32                    | 6 NON-AI DAUGHTERS                   | 6   | 13,550 | 4.3               | 577  |                     |               |
|                               | 6 WITH HERD-MATES                    | 6   | 13,550 | 4.3               | 577  | 8                   | 13,818        |
|                               |                                      |     |        |                   |      | DIFF.               | 268-          |
| 1290091                       | KEARSARGE GOVERNDR.....              |     |        |                   |      |                     |               |
| 09-19-56                      | 1256422 3484790 17 NON-AI DAUGHTERS  | 19  | 13,499 | 4.1               | 557  |                     |               |
|                               | LISTED, 03-64 17 WITH HERD-MATES     | 19  | 13,499 | 4.1               | 557  | 16                  | 13,578        |
| STATES- 12                    |                                      |     |        |                   |      | DIFF.               | 79-           |
| 1290181                       | OSBORNOALE F08ES KNIGHT.....         |     |        |                   |      |                     |               |
| 11-12-56                      | 934577 3212451 21 NON-AI DAUGHTERS   | 35  | 14,455 | 3.8               | 548  |                     |               |
| AI STUD, 34-01                | LISTED, 05-64 21 WITH HERD-MATES     | 35  | 14,455 | 3.8               | 548  | 23                  | 13,292        |
| STATES- 34                    |                                      |     |        |                   |      | DIFF.               | 1163          |
| 1290182                       | OSBORNOALE ADMIRAL LUCIFER.....      |     |        |                   |      |                     |               |
| 12-20-56                      | 769170 4227925 18 NON-AI DAUGHTERS   | 27  | 17,959 | 3.8               | 690  |                     |               |
| AI STUD, 34-01                | LISTED, 05-64 17 WITH HERD-MATES     | 26  | 18,538 | 3.8               | 710  | 8                   | 17,128        |
| STATES- 23,34                 |                                      |     |        |                   |      | DIFF.               | 1410          |
| 1290201                       | .....                                |     |        |                   |      |                     |               |
| STATES- 91,92                 | 5 NON-AI DAUGHTERS                   | 9   | 13,540 | 3.5               | 468  |                     |               |
|                               | 5 WITH HERD-MATES                    | 9   | 13,540 | 3.5               | 468  | 51                  | 13,027        |
|                               |                                      |     |        |                   |      | DIFF.               | 513           |
| 1290204                       | WYLA MYNA AWOI FUTURE LEADER.....    |     |        |                   |      |                     |               |
| 01-03-56                      | 915940 3735188 20 NON-AI DAUGHTERS   | 38  | 13,044 | 3.8               | 501  |                     |               |
| AI STUD, 41-25                | LISTED, 05-64 20 WITH HERD-MATES     | 35  | 12,900 | 3.8               | 494  | 14                  | 12,268        |
| STATES- 41,42                 |                                      |     |        |                   |      | DIFF.               | 632           |
| 1290262                       | LUDWIG SIR ROBURKE JUPITER.....      |     |        |                   |      |                     |               |
| 10-23-56                      | 1024453 3766750 18 NON-AI DAUGHTERS  | 33  | 10,141 | 4.0               | 406  |                     |               |
|                               | LISTED, 01-63 18 WITH HERD-MATES     | 33  | 10,141 | 4.0               | 406  | 17                  | 12,153        |
| STATES- 42                    |                                      |     |        |                   |      | DIFF.               | 2012-         |
| 1290309                       | CHINDOK CHIEF IKE.....               |     |        |                   |      |                     |               |
| 11-30-56                      | 1219622 3194992 34 NON-AI DAUGHTERS  | 41  | 15,759 | 3.0               | 469  |                     |               |
|                               | LISTED, 03-64 34 WITH HERD-MATES     | 41  | 15,759 | 3.0               | 469  | 42                  | 15,261        |
| STATES- 91                    |                                      |     |        |                   |      | DIFF.               | 498           |
| 1290344                       | LONE FIR 8. E. HAWKEYE.....          |     |        |                   |      |                     |               |
| 08-14-56                      | 1076127 3876765 8 NON-AI DAUGHTERS   | 12  | 12,768 | 3.6               | 461  |                     |               |
|                               | LISTED, 08-62 6 WITH HERD-MATES      | 10  | 12,451 | 3.7               | 458  | 9                   | 12,222        |
| STATES- 92                    |                                      |     |        |                   |      | DIFF.               | 229           |
| 1290349                       | ZELDENRUST TREASURE DUKE.....        |     |        |                   |      |                     |               |
| 09-19-56                      | 1231051 3848891 179 AI DAUGHTERS-25* | 229 | 13,219 | 3.6               | 470  |                     |               |
| AI STUD, 31-02                | LISTED, 05-64 175 WITH HERD-MATES    | 224 | 13,274 | 3.6               | 472  | 23                  | 13,558        |
| STATES- 14,21,31,32,34,43,52, |                                      |     |        |                   |      | DIFF.               | 284-          |
| 54,55,56,61,64,74             | 2 NON-AI DAUGHTERS                   | 5   | 12,762 | 3.4               | 440  |                     |               |
|                               | 2 WITH HERD-MATES                    | 5   | 12,762 | 3.4               | 440  | 19                  | 13,620        |
|                               |                                      |     |        |                   |      | DIFF.               | 858-          |
| 1290494                       | BUNNY DRMSBY PERFECTION.....         |     |        |                   |      |                     |               |
| 08-13-55                      | 1107327 3799108 9 NON-AI DAUGHTERS   | 18  | 12,891 | 3.6               | 466  |                     |               |
|                               | LISTED, 01-63 9 WITH HERD-MATES      | 18  | 12,891 | 3.6               | 466  | 10                  | 13,103        |
| STATES- 47                    |                                      |     |        |                   |      | DIFF.               | 212-          |
| 1290556                       | DISTINCTION JEWEL ESSENCE.....       |     |        |                   |      |                     |               |
| 10-22-56                      | 1222096 2588956 20 NON-AI DAUGHTERS  | 27  | 12,219 | 3.9               | 473  |                     |               |
|                               | LISTED, 08-63 18 WITH HERD-MATES     | 25  | 12,404 | 3.9               | 484  | 11                  | 13,120        |
| STATES- 35                    |                                      |     |        |                   |      | DIFF.               | 716-          |
| 1290565                       | .....                                |     |        |                   |      |                     |               |
| STATES- 82                    | 5 NON-AI DAUGHTERS                   | 8   | 16,739 | 3.6               | 602  |                     |               |
|                               | 5 WITH HERD-MATES                    | 8   | 16,739 | 3.6               | 602  | 2                   | 13,526        |
|                               |                                      |     |        |                   |      | DIFF.               | 3213          |

12,308 441

| SIRE OF OHIA DAUGHTERS                           |  |  |  | AV. PRODUCTION OF OAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREOICTED AV. |           |
|--|--|--|--|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
| HOLSTEIN   |  |  |  | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1290566 RICH-HERD PRESIDENT TIP-TOP.....         |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 02-14-56 1235336 3667026 17 NON-AI DAUGHTERS     |  |  |  | 30                     | 14,268     | 3.7       | 528       |                     |            |           |               |           |
| LISTED, 03-64 17 WITH HERD-MATES                 |  |  |  | 30                     | 14,268     | 3.7       | 528       |                     |            |           |               |           |
| STATES- 87                                       |  |  |  |                        |            |           |           | 14                  | 14,312     | 512       |               |           |
|  |  |  |  |                        |            |           |           | OIFF.               | 44-        | 16        |               |           |
| 1290616 KENJO ADMIRAL LEADSMAN.....              |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 01-12-55 915940 2458305 19 AI DAUGHTERS-19       |  |  |  | 19                     | 11,624     | 3.6       | 420       |                     |            |           |               |           |
| AI STUO, 35-75 LISTED, 05-64 18 WITH HERD-MATES  |  |  |  | 18                     | 11,672     | 3.6       | 420       | 7                   | 12,400     | 458       | 12,030        | 432       |
| STATES- 33,35,41,42,52                           |  |  |  |                        |            |           |           | OIFF.               | 728-       | 38-       |               |           |
|  |  |  |  | 24                     | 14,442     | 3.5       | 510       |                     |            |           |               |           |
|  |  |  |  | 22                     | 14,717     | 3.5       | 517       | 11                  | 14,422     | 520       |               |           |
|  |  |  |  |                        |            |           |           | OIFF.               | 295        | 3-        |               |           |
| 1290684 DOWLING CHIEF RALYKE.....                |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 03-28-56 1216301 3684892 5 NON-AI DAUGHTERS      |  |  |  | 5                      | 10,070     | 3.4       | 340       |                     |            |           |               |           |
| LISTED, 05-64 5 WITH HERD-MATES                  |  |  |  | 5                      | 10,070     | 3.4       | 340       | 8                   | 11,163     | 397       |               |           |
| STATES- 34                                       |  |  |  |                        |            |           |           | OIFF.               | 1093-      | 57-       |               |           |
| 1290700 AGTEX AAI PA8ST FANE.....                |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 10-11-56 1233390 3714076 9 NON-AI DAUGHTERS      |  |  |  | 11                     | 12,377     | 3.6       | 445       |                     |            |           |               |           |
| LISTED, 03-64 9 WITH HERD-MATES                  |  |  |  | 11                     | 12,377     | 3.6       | 445       | 16                  | 9,811      | 359       |               |           |
| STATES- 74                                       |  |  |  |                        |            |           |           | OIFF.               | 2566       | 86        |               |           |
| 1290714 HOWACRES HOMESTEAD MAOISON.....          |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 07-17-56 1038118 3266199 21 NON-AI DAUGHTERS     |  |  |  | 26                     | 12,987     | 3.6       | 472       |                     |            |           |               |           |
| LISTED, 03-64 21 WITH HERD-MATES                 |  |  |  | 25                     | 13,001     | 3.6       | 472       | 14                  | 13,918     | 521       |               |           |
| STATES- 13                                       |  |  |  |                        |            |           |           | OIFF.               | 917-       | 49-       |               |           |
| 1290716 HOWACRES HOMESTEAD BRUCE LAD.....        |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 10-12-56 1038118 3696576 138 AI DAUGHTERS-25*    |  |  |  | 148                    | 13,497     | 4.0       | 545       |                     |            |           |               |           |
| AI STUO, 16-04 LISTED, 05-64 138 WITH HERD-MATES |  |  |  | 147                    | 13,504     | 4.0       | 545       | 23                  | 13,396     | 505       | 12,655        | 496       |
| STATES- 13,14,15,16,47                           |  |  |  |                        |            |           |           | OIFF.               | 108        | 40        |               |           |
|  |  |  |  | 2                      | 5,685      | 3.6       | 207       |                     |            |           |               |           |
|  |  |  |  | 2                      | 5,685      | 3.6       | 207       | 10                  | 9,465      | 347       |               |           |
|  |  |  |  |                        |            |           |           | OIFF.               | 3780-      | 140-      |               |           |
| 1290726 FRAN-WILL P R ADMIRAL.....               |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 11-22-56 1109864 2703929 26 NON-AI DAUGHTERS     |  |  |  | 37                     | 13,611     | 3.7       | 504       |                     |            |           |               |           |
| LISTED, 03-64 26 WITH HERD-MATES                 |  |  |  | 37                     | 13,611     | 3.7       | 504       | 23                  | 12,803     | 468       |               |           |
| STATES- 52,55,56                                 |  |  |  |                        |            |           |           | OIFF.               | 808        | 36        |               |           |
| 1290809 WINSTON CARNATION LAD.....               |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 01-14-54 1182527 3010521 6 NON-AI DAUGHTERS      |  |  |  | 7                      | 10,935     | 3.5       | 387       |                     |            |           |               |           |
| LISTED, 05-64 6 WITH HERD-MATES                  |  |  |  | 7                      | 10,935     | 3.5       | 387       | 31                  | 11,880     | 405       |               |           |
| STATES- 21                                       |  |  |  |                        |            |           |           | OIFF.               | 945-       | 18-       |               |           |
| 1290852 IVA-NAN DAN KING.....                    |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 10-30-56 1254611 3672259 12 NON-AI DAUGHTERS     |  |  |  | 18                     | 12,162     | 3.5       | 425       |                     |            |           |               |           |
| LISTED, 08-63 12 WITH HERD-MATES                 |  |  |  | 18                     | 12,162     | 3.5       | 425       | 32                  | 11,094     | 372       |               |           |
| STATES- 32                                       |  |  |  |                        |            |           |           | OIFF.               | 1068       | 53        |               |           |
| 1290869 ELK RIVER COPIA EKAN.....                |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 11-29-56 1223065 3996451 15 NON-AI DAUGHTERS     |  |  |  | 18                     | 15,013     | 3.9       | 584       |                     |            |           |               |           |
| LISTED, 11-63 15 WITH HERD-MATES                 |  |  |  | 18                     | 15,013     | 3.9       | 584       | 6                   | 14,911     | 573       |               |           |
| STATES- 51                                       |  |  |  |                        |            |           |           | OIFF.               | 102        | 11        |               |           |
| 1290883 ROSAFE SHAMROCK TOP 80Y.....             |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 12-07-55 010198998 010963289 10 NON-AI DAUGHTERS |  |  |  | 12                     | 10,366     | 3.6       | 370       |                     |            |           |               |           |
| LISTED, 08-63 10 WITH HERD-MATES                 |  |  |  | 12                     | 10,366     | 3.6       | 370       | 29                  | 12,078     | 440       |               |           |
| STATES- 21,51,55                                 |  |  |  |                        |            |           |           | OIFF.               | 1712-      | 70-       |               |           |
| 1290914 ORMSBY ANTHONY SUZONE.....               |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 12-09-56 1122159 2628365 40 AI DAUGHTERS-25*     |  |  |  | 51                     | 14,387     | 3.5       | 508       |                     |            |           |               |           |
| AI STUO, 33-01 LISTED, 05-64 40 WITH HERD-MATES  |  |  |  | 51                     | 14,387     | 3.5       | 508       | 14                  | 13,679     | 510       | 13,101        | 457       |
| STATES- 33,35,57                                 |  |  |  |                        |            |           |           | OIFF.               | 708        | 2-        |               |           |
| 1290915 DELLA ROMULUS BEACON.....                |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 12-16-56 1237954 2332392 32 AI DAUGHTERS-25*     |  |  |  | 47                     | 12,674     | 4.0       | 501       |                     |            |           |               |           |
| AI STUO, 33-01 LISTED, 05-64 30 WITH HERD-MATES  |  |  |  | 45                     | 12,696     | 4.0       | 503       | 14                  | 13,066     | 486       | 12,250        | 469       |
| STATES- 33                                       |  |  |  |                        |            |           |           | OIFF.               | 370-       | 17        |               |           |
| 1290979 IRVINGTON MAJOR FOLLOW ON.....           |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 10-11-56 1031307 3438533 12 NON-AI DAUGHTERS     |  |  |  | 18                     | 11,638     | 3.8       | 439       |                     |            |           |               |           |
| LISTED, 08-63 12 WITH HERD-MATES                 |  |  |  | 18                     | 11,638     | 3.8       | 439       | 37                  | 13,266     | 508       |               |           |
| STATES- 23,51,52,94                              |  |  |  |                        |            |           |           | OIFF.               | 1628-      | 69-       |               |           |
| 1291028 HARDEN FARMS AAGGIE KEYSTONE.....        |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 02-26-56 1222989 2396981 10 NON-AI DAUGHTERS     |  |  |  | 13                     | 16,357     | 3.5       | 574       |                     |            |           |               |           |
| AI STUO, 33-03 LISTED, 05-64 10 WITH HERD-MATES  |  |  |  | 13                     | 16,357     | 3.5       | 574       | 9                   | 14,835     | 539       |               |           |
| STATES- 52                                       |  |  |  |                        |            |           |           | OIFF.               | 1522       | 35        |               |           |
| 1291134 OAKMULGEE EXCEL JUOGE JANE.....          |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 01-11-57 1223904 3197138 9 NON-AI DAUGHTERS      |  |  |  | 12                     | 13,053     | 3.6       | 469       |                     |            |           |               |           |
| LISTED, 11-63 9 WITH HERD-MATES                  |  |  |  | 12                     | 13,053     | 3.6       | 469       | 27                  | 12,910     | 462       |               |           |
| STATES- 52                                       |  |  |  |                        |            |           |           | OIFF.               | 143        | 7         |               |           |
| 1291141 POESTENSKILL MOOEL OEAN.....             |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 12-19-56 1148993 3110975 6 NON-AI DAUGHTERS      |  |  |  | 7                      | 15,073     | 3.4       | 510       |                     |            |           |               |           |
| LISTED, 05-64 5 WITH HERD-MATES                  |  |  |  | 6                      | 15,956     | 3.4       | 538       | 17                  | 15,673     | 556       |               |           |
| STATES- 21,23,47                                 |  |  |  |                        |            |           |           | OIFF.               | 283        | 18-       |               |           |
| 1291151 TRIPLE-N HELEN BURKE BILL.....           |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 06-16-56 1221917 3172372 15 NON-AI DAUGHTERS     |  |  |  | 30                     | 15,452     | 3.5       | 539       |                     |            |           |               |           |
| LISTED, 08-62 15 WITH HERD-MATES                 |  |  |  | 30                     | 15,452     | 3.5       | 539       | 17                  | 14,138     | 503       |               |           |
| STATES- 52                                       |  |  |  |                        |            |           |           | OIFF.               | 1314       | 36        |               |           |
| 1291159 ARNOLOVALE DICTATOR PRINCE.....          |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 05-12-56 1245728 2930549 24 NON-AI DAUGHTERS     |  |  |  | 41                     | 14,055     | 3.7       | 522       |                     |            |           |               |           |
| STATES- 21                                       |  |  |  | 41                     | 14,055     | 3.7       | 522       | 21                  | 14,517     | 538       |               |           |
|  |  |  |  |                        |            |           |           | OIFF.               | 462-       | 16-       |               |           |
| 1291181 RUSHMERE SEAL LAD - TWIN.....            |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 10-17-56 1241491 3760185 14 NON-AI DAUGHTERS     |  |  |  | 18                     | 14,916     | 3.3       | 486       |                     |            |           |               |           |
| LISTED, 03-64 12 WITH HERD-MATES                 |  |  |  | 16                     | 14,629     | 3.2       | 467       | 6                   | 13,699     | 449       |               |           |
| STATES- 35                                       |  |  |  |                        |            |           |           | OIFF.               | 930        | 18        |               |           |



| SIRE'S OF DAIRY DAUGHTERS |                                       |               |    | AV. RECORDS      | PRODUCTION MILK  | DF TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED AV. MILK L8 FAT L8 |        |     |
|---------------------------|---------------------------------------|---------------|----|------------------|------------------|-----------|-------------|-----------------|--------------------|------------|------------------------------|--------|-----|
| HOLSTEIN                  |                                       |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 1291222                   | .....                                 |               |    | 5                | NON-AI DAUGHTERS | 5         | 16,816      | 4.0             | 669                |            |                              |        |     |
| STATES-                   | 52                                    |               | 4  | WITH HERD-MATES  | 4                | 16,870    | 4.0         | 668             | 8                  | 16,368     | 587                          |        |     |
|                           |                                       |               |    |                  |                  |           |             |                 | DIFF.              | 502        | 81                           |        |     |
| 1291226                   | PAL-VER RO8URKE F08ES DAVE.....       |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 03-23-56                  | 1024453                               | 3144003       | 28 | NON-AI DAUGHTERS | 54               | 13,124    | 4.0         | 528             |                    |            |                              |        |     |
| STATES-                   | 32                                    |               | 28 | WITH HERD-MATES  | 53               | 13,134    | 4.0         | 528             | 16                 | 12,110     | 479                          |        |     |
|                           |                                       |               |    |                  |                  |           |             |                 | DIFF.              | 1024       | 49                           |        |     |
| 1291230                   | L STABLES VAR ANDY.....               |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 12-14-56                  | 1100411                               | 3807191       | 16 | NON-AI DAUGHTERS | 23               | 10,542    | 3.9         | 410             |                    |            |                              |        |     |
|                           |                                       | LISTED, 03-64 | 16 | WITH HERD-MATES  | 23               | 10,542    | 3.9         | 410             | 9                  | 11,575     | 422                          |        |     |
| STATES-                   | 35                                    |               |    |                  |                  |           |             |                 | DIFF.              | 1033-      | 12-                          |        |     |
| 1291244                   | RIVERSIDE FUGET KORNDYKE.....         |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 12-05-56                  | 860768                                | 3500622       | 8  | NON-AI DAUGHTERS | 11               | 13,351    | 3.7         | 494             |                    |            |                              |        |     |
|                           |                                       | LISTED, 05-64 | 8  | WITH HERD-MATES  | 11               | 13,351    | 3.7         | 494             | 14                 | 14,041     | 512                          |        |     |
| STATES-                   | 52                                    |               |    |                  |                  |           |             |                 | DIFF.              | 690-       | 18-                          |        |     |
| 1291246                   | HARDEN FARMS MASTER LINDY.....        |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 12-22-56                  | 1228879                               | 3629260       | 12 | NON-AI DAUGHTERS | 15               | 12,486    | 4.1         | 516             |                    |            |                              |        |     |
|                           |                                       | LISTED, 03-64 | 12 | WITH HERD-MATES  | 15               | 12,486    | 4.1         | 516             | 10                 | 14,338     | 539                          |        |     |
| STATES-                   | 21                                    |               |    |                  |                  |           |             |                 | DIFF.              | 1852-      | 23-                          |        |     |
| 1291266                   | U T ROSE LAD KNIGHT.....              |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 08-13-56                  | 836027                                | 3581298       | 36 | NON-AI DAUGHTERS | 39               | 9,816     | 3.5         | 340             |                    |            |                              |        |     |
|                           |                                       | LISTED, 03-64 | 5  | WITH HERD-MATES  | 5                | 8,486     | 3.5         | 293             | 2                  | 11,746     | 409                          |        |     |
| STATES-                   | 64                                    |               |    |                  |                  |           |             |                 | DIFF.              | 3260-      | 116-                         |        |     |
| 1291417                   | .....                                 |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
|                           |                                       |               | 6  | NON-AI DAUGHTERS | 7                | 11,017    | 3.6         | 395             |                    |            |                              |        |     |
| STATES-                   | 23,35,58                              |               | 6  | WITH HERD-MATES  | 7                | 11,017    | 3.6         | 395             | 13                 | 11,726     | 416                          |        |     |
|                           |                                       |               |    |                  |                  |           |             |                 | DIFF.              | 709-       | 21-                          |        |     |
| 1291498                   | LAVACRES DELLA DINAH PAT.....         |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 12-17-56                  | 1026263                               | 2854863       | 23 | NON-AI DAUGHTERS | 34               | 19,754    | 3.4         | 670             |                    |            |                              |        |     |
| AI STUD, 35-75            | LISTED, 05-64                         |               | 23 | WITH HERD-MATES  | 34               | 19,754    | 3.4         | 670             | 38                 | 17,852     | 610                          |        |     |
| STATES-                   | 93                                    |               |    |                  |                  |           |             |                 | DIFF.              | 1902       | 60                           |        |     |
| 1291499                   | LAVACRES CHAL PRAIRIE.....            |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 12-30-56                  | 1253140                               | 2959915       | 29 | NON-AI DAUGHTERS | 45               | 17,093    | 3.8         | 644             |                    |            |                              |        |     |
| AI STUD, 41-25            | LISTED, 05-64                         |               | 28 | WITH HERD-MATES  | 44               | 17,266    | 3.8         | 652             | 18                 | 16,210     | 624                          |        |     |
| STATES-                   | 35,41                                 |               |    |                  |                  |           |             |                 | DIFF.              | 1056       | 28                           |        |     |
| 1291626                   | .....                                 |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
|                           |                                       |               | 5  | NON-AI DAUGHTERS | 5                | 13,420    | 3.4         | 455             |                    |            |                              |        |     |
| STATES-                   | 31                                    |               | 5  | WITH HERD-MATES  | 5                | 13,420    | 3.4         | 455             | 13                 | 13,439     | 459                          |        |     |
|                           |                                       |               |    |                  |                  |           |             |                 | DIFF.              | 19-        | 4-                           |        |     |
| 1291674                   | 8EAU CHIEFTAIN 8ELLRINGER - TWIN..... |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 01-04-57                  | 1114547                               | 3112953       | 18 | NON-AI DAUGHTERS | 24               | 12,399    | 3.7         | 460             |                    |            |                              |        |     |
|                           |                                       | LISTED, 11-63 | 18 | WITH HERD-MATES  | 24               | 12,399    | 3.7         | 460             | 17                 | 13,259     | 496                          |        |     |
| STATES-                   | 41                                    |               |    |                  |                  |           |             |                 | DIFF.              | 860-       | 36-                          |        |     |
| 1291724                   | WIS DISTINCTION.....                  |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 01-23-57                  | 1192327                               | 3111751       | 25 | NON-AI DAUGHTERS | 42               | 15,147    | 3.7         | 568             |                    |            |                              |        |     |
| AI STUD, 41-01            | LISTED, 05-64                         |               | 25 | WITH HERD-MATES  | 41               | 15,142    | 3.8         | 569             | 14                 | 14,728     | 556                          |        |     |
| STATES-                   | 41,42                                 |               |    |                  |                  |           |             |                 | DIFF.              | 414        | 13                           |        |     |
| 1291783                   | DOLVIC 08MS8Y F08ES RO8URKE.....      |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 03-08-56                  | 1024453                               | 3050773       | 11 | NON-AI DAUGHTERS | 26               | 14,712    | 4.1         | 608             |                    |            |                              |        |     |
| AI STUD, 41-01            | LISTED, 05-64                         |               | 11 | WITH HERD-MATES  | 25               | 14,658    | 4.1         | 604             | 15                 | 14,984     | 606                          |        |     |
| STATES-                   | 35                                    |               |    |                  |                  |           |             |                 | DIFF.              | 326-       | 2-                           |        |     |
| 1291784                   | DOLVIC RO8URKE BEETS 8RUCE.....       |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 03-31-56                  | 1024453                               | 3609497       | 10 | NON-AI DAUGHTERS | 24               | 15,727    | 4.0         | 626             |                    |            |                              |        |     |
| AI STUD, 41-01            | LISTED, 05-64                         |               | 10 | WITH HERD-MATES  | 24               | 15,727    | 4.0         | 626             | 20                 | 15,208     | 618                          |        |     |
| STATES-                   | 35                                    |               |    |                  |                  |           |             |                 | DIFF.              | 519        | 8                            |        |     |
| 1291786                   | SIR AIRVUE MONOGRAM DIPLOMAT.....     |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 03-11-56                  | 1001985                               | 011037697     | 35 | AI DAUGHTERS-21  | 51               | 13,253    | 3.7         | 493             |                    |            |                              |        |     |
| AI STUD, 41-25            | LISTED, 05-64                         |               | 35 | WITH HERD-MATES  | 51               | 13,253    | 3.7         | 493             | 14                 | 12,450     | 453                          | 13,064 | 485 |
| STATES-                   | 43,48,84                              |               |    |                  |                  |           |             |                 | DIFF.              | 803        | 40                           |        |     |
| 1291804                   | U OF A PIE8E KURT.....                |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 06-24-56                  | 1175063                               | 2918212       | 11 | NON-AI DAUGHTERS | 16               | 15,942    | 3.4         | 549             |                    |            |                              |        |     |
|                           |                                       | LISTED, 11-63 | 11 | WITH HERD-MATES  | 16               | 15,942    | 3.4         | 549             | 33                 | 14,703     | 510                          |        |     |
| STATES-                   | 86                                    |               |    |                  |                  |           |             |                 | DIFF.              | 1239       | 39                           |        |     |
| 1291832                   | PA8ST TEMPEST.....                    |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 10-01-56                  | 1215958                               | 3732397       | 15 | NON-AI DAUGHTERS | 22               | 12,660    | 3.6         | 457             |                    |            |                              |        |     |
|                           |                                       | LISTED, 08-63 | 15 | WITH HERD-MATES  | 22               | 12,660    | 3.6         | 457             | 19                 | 13,270     | 481                          |        |     |
| STATES-                   | 35,41,42                              |               |    |                  |                  |           |             |                 | DIFF.              | 610-       | 24-                          |        |     |
| 1291834                   | PA8ST THUNDER.....                    |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 11-21-56                  | 1215958                               | 3793038       | 24 | NON-AI DAUGHTERS | 35               | 14,959    | 3.3         | 498             |                    |            |                              |        |     |
|                           |                                       | LISTED, 01-63 | 24 | WITH HERD-MATES  | 35               | 14,959    | 3.3         | 498             | 11                 | 14,384     | 496                          |        |     |
| STATES-                   | 34                                    |               |    |                  |                  |           |             |                 | DIFF.              | 575        | 2                            |        |     |
| 1291911                   | .....                                 |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
|                           |                                       |               | 9  | NON-AI DAUGHTERS | 9                | 12,026    | 3.5         | 417             |                    |            |                              |        |     |
| STATES-                   | 31                                    |               | 9  | WITH HERD-MATES  | 9                | 12,026    | 3.5         | 417             | 11                 | 12,676     | 442                          |        |     |
|                           |                                       |               |    |                  |                  |           |             |                 | DIFF.              | 650-       | 25-                          |        |     |
| 1291978                   | HAMARET ARTIST JERRY.....             |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 06-08-56                  | 1231138                               | 3764230       | 10 | NON-AI DAUGHTERS | 12               | 10,450    | 4.0         | 418             |                    |            |                              |        |     |
|                           |                                       | LISTED, 03-64 | 10 | WITH HERD-MATES  | 12               | 10,450    | 4.0         | 418             | 23                 | 11,726     | 434                          |        |     |
| STATES-                   | 21                                    |               |    |                  |                  |           |             |                 | DIFF.              | 1276-      | 16-                          |        |     |
| 1292011                   | KAM LAKE LAD PONTIAC KING - TWIN..... |               |    |                  |                  |           |             |                 |                    |            |                              |        |     |
| 12-17-56                  | 1117265                               | 2301163       | 9  | NON-AI DAUGHTERS | 12               | 13,128    | 3.7         | 483             |                    |            |                              |        |     |
|                           |                                       | LISTED, 08-63 | 9  | WITH HERD-MATES  | 12               | 13,128    | 3.7         | 483             | 14                 | 13,373     | 506                          |        |     |
| STATES-                   | 33                                    |               |    |                  |                  |           |             |                 | DIFF.              | 245-       | 23-                          |        |     |

## SIRE OF OHIA OUGHTERS

| HOLSTEIN  | AV. PRODUCTION OF<br>RECORDS<br>NUMBER | MILK<br>LBS | TEST<br>% | FAV<br>LBS | ADJ. HERO-MATES<br>AV. MILK<br>NUMBER LBS | AV. FAT<br>LBS | PREOICTED AV.<br>MILK FAT<br>LBS LBS |
|---|--|-------------|-----------|------------|---|----------------|--------------------------------------|
| 1292025 MONCONY SIR ROBURKE PERFECTION.....     |  |             |           |            |   |                |                                      |
| 01-06-57 1024453 3846428 11 NON-AI OUGHTERS     | 17                                     | 14,537      | 3.5       | 504        |   |                |                                      |
| LISTED, 08-62 11 WITH HERD-MATES                | 17                                     | 14,537      | 3.5       | 504        | 18 14,382                                 | 525            |                                      |
| STATES- 21                                      |  |             |           |            | OIFF. 155                                 | 21-            |                                      |
| 1292081 CORNMANS PIEBE POSCH DEAN.....          |  |             |           |            |   |                |                                      |
| 01-23-56 1182359 3317623 13 NON-AI OUGHTERS     | 20                                     | 12,398      | 3.7       | 455        |   |                |                                      |
| AI STUO, 63-01 LISTED, 03-64 13 WITH HERD-MATES | 20                                     | 12,398      | 3.7       | 455        | 18 12,676                                 | 467            |                                      |
| STATES- 63                                      |  |             |           |            | DIFF. 278-                                | 12-            |                                      |
| 1292145 COUNTRY BUTTER BOY DIGNITY - TWIN.....  |  |             |           |            |   |                |                                      |
| 11-09-56 1257762 2560346 68 AI OUGHTERS-25*     | 90                                     | 13,358      | 4.0       | 528        |   |                |                                      |
| AI STUO, 87-01 LISTED, 05-64 66 WITH HERD-MATES | 88                                     | 13,362      | 4.0       | 529        | 16 13,989                                 | 497            | 12,072 485                           |
| STATES- 82,83,87                                |  |             |           |            | OIFF. 627-                                | 32             |                                      |
|   | 3 NON-AI OUGHTERS                      | 7 12,954    | 3.9       | 506        |   |                |                                      |
| 3 WITH HERD-MATES                               | 7 12,954                               | 3.9         | 506       |            | 18 13,634                                 | 509            |                                      |
|   |  |             |           |            | OIFF. 680-                                | 3-             |                                      |
| 1292167 .....                                   |  |             |           |            |   |                |                                      |
| STATES- 33                                      | 5 NON-AI OUGHTERS                      | 5 12,536    | 3.9       | 488        |   |                |                                      |
|   | 5 WITH HERD-MATES                      | 5 12,536    | 3.9       | 488        | 30 12,396                                 | 465            |                                      |
|   |  |             |           |            | OIFF. 140                                 | 23             |                                      |
| 1292195 HAROY FARMS INVINCIBLE BURKE.....       |  |             |           |            |   |                |                                      |
| 09-15-55 1056882 3424100 23 NON-AI OUGHTERS     | 41                                     | 13,443      | 3.7       | 503        |   |                |                                      |
| LISTED, 08-63 23 WITH HERD-MATES                | 41                                     | 13,443      | 3.7       | 503        | 27 12,803                                 | 479            |                                      |
| STATES- 87                                      |  |             |           |            | OIFF. 640                                 | 24             |                                      |
| 1292242 BESSIE B F BU88LER DUKE.....            |  |             |           |            |   |                |                                      |
| 08-13-56 1202814 3342774 15 AI OUGHTERS-12      | 16                                     | 13,351      | 3.8       | 502        |   |                |                                      |
| AI STUO, 87-01 LISTED, 05-64 15 WITH HERD-MATES | 16                                     | 13,351      | 3.8       | 502        | 17 14,118                                 | 519            | 12,140 449                           |
| STATES- 82,87                                   |  |             |           |            | OIFF. 767-                                | 17-            |                                      |
|   | 7 NON-AI OUGHTERS                      | 11 13,608   | 3.7       | 507        |   |                |                                      |
| 7 WITH HERD-MATES                               | 11 13,608                              | 3.7         | 507       |            | 8 11,453                                  | 418            |                                      |
|   |  |             |           |            | OIFF. 2155                                | 89             |                                      |
| 1292249 BESSIE B F RETURN GOVERNOR.....         |  |             |           |            |   |                |                                      |
| 09-23-56 1197956 2862902 12 NON-AI OUGHTERS     | 17                                     | 13,389      | 3.7       | 500        |   |                |                                      |
| LISTED, 11-63 12 WITH HERD-MATES                | 17                                     | 13,389      | 3.7       | 500        | 16 11,936                                 | 434            |                                      |
| STATES- 87                                      |  |             |           |            | OIFF. 1453                                | 66             |                                      |
| 1292380 .....                                   |  |             |           |            |   |                |                                      |
| STATES- 31                                      | 8 NON-AI OUGHTERS                      | 8 13,586    | 3.4       | 461        |   |                |                                      |
|   | 8 WITH HERD-MATES                      | 8 13,586    | 3.4       | 461        | 4 12,325                                  | 436            |                                      |
|   |  |             |           |            | OIFF. 1261                                | 25             |                                      |
| 1292389 HEERSCHER PERFECTION SUPREME.....       |  |             |           |            |   |                |                                      |
| 03-12-56 1206167 3464873 13 NON-AI OUGHTERS     | 29                                     | 12,880      | 3.6       | 470        |   |                |                                      |
| LISTED, 08-62 13 WITH HERD-MATES                | 29                                     | 12,880      | 3.6       | 470        | 18 13,290                                 | 497            |                                      |
| STATES- 48                                      |  |             |           |            | OIFF. 410-                                | 27-            |                                      |
| 1292409 .....                                   |  |             |           |            |   |                |                                      |
| STATES- 33                                      | 5 NON-AI OUGHTERS                      | 7 8,979     | 3.9       | 348        |   |                |                                      |
|   | 5 WITH HERD-MATES                      | 7 8,979     | 3.9       | 348        | 12 11,357                                 | 424            |                                      |
|   |  |             |           |            | OIFF. 2378-                               | 76-            |                                      |
| 1292446 CARNATION PUBLISHER.....                |  |             |           |            |   |                |                                      |
| 10-30-56 1090974 3734867 25 NON-AI OUGHTERS     | 35                                     | 14,028      | 3.9       | 543        |   |                |                                      |
| LISTED, 03-64 22 WITH HERD-MATES                | 26                                     | 13,764      | 3.9       | 536        | 5 14,049                                  | 511            |                                      |
| STATES- 32                                      |  |             |           |            | OIFF. 285-                                | 25             |                                      |
| 1292458 ROCKCREST LEADER.....                   |  |             |           |            |   |                |                                      |
| 01-05-57 915940 2675146 2 AI OUGHTERS-02        |  |             |           |            |   |                |                                      |
| AI STUO, 42-02 LISTED, 05-64 2 WITH HERD-MATES  |  |             |           |            |   |                |                                      |
| STATES- 42                                      |  |             |           |            |   |                |                                      |
|   | 14 NON-AI OUGHTERS                     | 17 13,405   | 3.5       | 475        |   |                |                                      |
|   | 14 WITH HERD-MATES                     | 17 13,405   | 3.5       | 475        | 18 13,991                                 | 484            |                                      |
|   |  |             |           |            | OIFF. 586-                                | 9-             |                                      |
| 1292482 SANMARGALE HIS SIR TROY.....            |  |             |           |            |   |                |                                      |
| 09-20-56 1068870 2475596 22 NON-AI OUGHTERS     | 39                                     | 14,823      | 3.6       | 527        |   |                |                                      |
| STATES- 41                                      | 22 WITH HERD-MATES                     | 39 14,823   | 3.6       | 527        | 19 13,640                                 | 486            |                                      |
|   |  |             |           |            | OIFF. 1183                                | 41             |                                      |
| 1292483 SANMARGALE HIS NOBLEMAN.....            |  |             |           |            |   |                |                                      |
| 11-10-56 1066870 3544502 10 NON-AI OUGHTERS     | 11                                     | 12,545      | 3.7       | 462        |   |                |                                      |
| LISTED, 03-64 10 WITH HERD-MATES                | 11                                     | 12,545      | 3.7       | 462        | 12 12,252                                 | 448            |                                      |
| STATES- 63                                      |  |             |           |            | OIFF. 293                                 | 14             |                                      |
| 1292548 .....                                   |  |             |           |            |   |                |                                      |
| STATES- 93                                      | 5 NON-AI OUGHTERS                      | 5 13,784    | 3.5       | 477        |   |                |                                      |
|   | 5 WITH HERD-MATES                      | 5 13,784    | 3.5       | 477        | 31 15,600                                 | 564            |                                      |
|   |  |             |           |            | OIFF. 1816-                               | 87-            |                                      |
| 1292670 .....                                   |  |             |           |            |   |                |                                      |
| STATES- 35,91                                   | 8 NON-AI OUGHTERS                      | 13 14,439   | 3.5       | 503        |   |                |                                      |
|   | 8 WITH HERD-MATES                      | 13 14,439   | 3.5       | 503        | 16 14,047                                 | 511            |                                      |
|   |  |             |           |            | OIFF. 392                                 | 8-             |                                      |
| 1292678 .....                                   |  |             |           |            |   |                |                                      |
| STATES- 21                                      | 5 NON-AI OUGHTERS                      | 6 13,659    | 3.3       | 457        |   |                |                                      |
|   | 5 WITH HERD-MATES                      | 6 13,659    | 3.3       | 457        | 25 13,477                                 | 473            |                                      |
|   |  |             |           |            | OIFF. 182                                 | 16-            |                                      |
| 1292699 HAYSEN FOND MASTER.....                 |  |             |           |            |   |                |                                      |
| 01-13-57 1250992 3925766 12 NON-AI OUGHTERS     | 16                                     | 14,530      | 3.9       | 569        |   |                |                                      |
| AI STUO, 33-03 LISTED, 03-64 12 WITH HERD-MATES | 16                                     | 14,530      | 3.9       | 569        | 24 14,305                                 | 535            |                                      |
| STATES- 41,46                                   |  |             |           |            | OIFF. 225                                 | 34             |                                      |
| 1292705 TIMBERRIDGE STEPSTONE LEE.....          |  |             |           |            |   |                |                                      |
| 09-02-56 1261421 3729485 14 NON-AI OUGHTERS     | 23                                     | 12,321      | 3.8       | 463        |   |                |                                      |
| LISTED, 08-63 14 WITH HERD-MATES                | 23                                     | 12,321      | 3.8       | 463        | 37 13,652                                 | 515            |                                      |
| STATES- 52                                      |  |             |           |            | OIFF. 1331-                               | 52-            |                                      |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN   | AV. RECDRDS<br>NUM8ER | PRDDUCTI0N<br>MILK LB | DF<br>TEST % | DAU.<br>FAT LB | ADJ.<br>AV.<br>NUM8ER | HERD-MATES<br>MILK LB | AV.<br>FAT<br>LB | PREDICTED<br>MILK LB | AV.<br>FAT<br>LB |
|--|-----------------------|-----------------------|--------------|----------------|-----------------------|-----------------------|------------------|----------------------|------------------|
| 1292708 TIM8ERRIDGE STEPSTONE JDE - TWIN.....                          |                       |                       |              |                |                       |                       |                  |                      |                  |
| 09-13-56 1261421 3142786 16 NON-AI DAUGHTERS                           | 19                    | 12,709                | 3.7          | 471            |                       |                       |                  |                      |                  |
| LISTED, 11-63 16 WITH HERD-MATES                                       | 19                    | 12,709                | 3.7          | 471            |                       |                       |                  |                      |                  |
| STATES- 52   |                       |                       |              |                | 38                    | 13,312                | 488              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 603-                  | 17-              |                      |                  |
| 1292745 SUNKAREST PATHFINDER PDSCH.....                                |                       |                       |              |                |                       |                       |                  |                      |                  |
| 03-13-56 906714 3494758 12 NDN-AI DAUGHTERS                            | 19                    | 12,291                | 3.8          | 466            |                       |                       |                  |                      |                  |
| LISTED, 01-63 11 WITH HERD-MATES                                       | 18                    | 11,864                | 3.8          | 450            |                       |                       |                  |                      |                  |
| STATES- 23,34  |                       |                       |              |                | 6                     | 13,268                | 470              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 1404-                 | 20-              |                      |                  |
| 1292776 RDSAFE SHAMROCK JULIAN - TWIN.....                             |                       |                       |              |                |                       |                       |                  |                      |                  |
| 05-22-56 010198998 010925460 5 AI DAUGHTERS-04                         | 5                     | 10,258                | 3.5          | 361            |                       |                       |                  |                      |                  |
| AI STUD, 41-25 LISTED, 05-64 5 WITH HERD-MATES                         | 5                     | 10,258                | 3.5          | 361            |                       |                       |                  |                      |                  |
| STATES- 43   |                       |                       |              |                | 15                    | 12,840                | 448              | 11,733               | 429              |
|  |                       |                       |              |                | DIFF.                 | 2582-                 | 87-              |                      |                  |
|  | 2                     | 14,337                | 3.8          | 545            |                       |                       |                  |                      |                  |
| 2 NDN-AI DAUGHTERS   | 4                     | 14,337                | 3.8          | 545            |                       |                       |                  |                      |                  |
| 2 WITH HERD-MATES  | 4                     | 14,337                | 3.8          | 545            |                       |                       |                  |                      |                  |
|  |                       |                       |              |                | 8                     | 12,338                | 462              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 1999                  | 83               |                      |                  |
| 1292829 CLIFFVIEW ASPIRANT REGAL.....                                  |                       |                       |              |                |                       |                       |                  |                      |                  |
| 01-28-56 984799 2762024 29 NON-AI DAUGHTERS                            | 56                    | 17,061                | 3.4          | 573            |                       |                       |                  |                      |                  |
| AI STUD, 35-75 LISTED, 05-64 29 WITH HERD-MATES                        | 56                    | 17,061                | 3.4          | 573            |                       |                       |                  |                      |                  |
| STATES- 48   |                       |                       |              |                | 8                     | 15,063                | 510              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 1998                  | 63               |                      |                  |
| 1292874 DRURY-LANE COLA DEMAND.....                                    |                       |                       |              |                |                       |                       |                  |                      |                  |
| 01-01-57 1184341 2346707 11 NDN-AI DAUGHTERS                           | 19                    | 17,005                | 3.7          | 636            |                       |                       |                  |                      |                  |
| LISTED, 08-63 11 WITH HERD-MATES                                       | 19                    | 17,005                | 3.7          | 636            |                       |                       |                  |                      |                  |
| STATES- 87   |                       |                       |              |                | 14                    | 15,116                | 540              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 1889                  | 96               |                      |                  |
| 1292880 MOOSEHEART PIDNEER.....  |                       |                       |              |                |                       |                       |                  |                      |                  |
| 07-03-56 1024453 2811265 47 NON-AI DAUGHTERS                           | 78                    | 15,143                | 3.9          | 591            |                       |                       |                  |                      |                  |
| AI STUD, 33-03 LISTED, 05-64 47 WITH HERD-MATES                        | 77                    | 15,138                | 3.9          | 591            |                       |                       |                  |                      |                  |
| STATES- 21,33,34,35,52,56  |                       |                       |              |                | 38                    | 14,165                | 527              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 973                   | 64               |                      |                  |
| 1292914 MAN-O-WAR B F KING GYPSIE.....                                 |                       |                       |              |                |                       |                       |                  |                      |                  |
| 12-05-56 1251676 3814603 20 NDN-AI DAUGHTERS                           | 34                    | 13,616                | 4.0          | 538            |                       |                       |                  |                      |                  |
| LISTED, 08-63 20 WITH HERD-MATES                                       | 34                    | 13,616                | 4.0          | 538            |                       |                       |                  |                      |                  |
| STATES- 87   |                       |                       |              |                | 11                    | 13,818                | 518              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 202-                  | 20               |                      |                  |
| 1292915 BESSIE 8. F. GYPSIE LEADER.....                                |                       |                       |              |                |                       |                       |                  |                      |                  |
| 11-29-56 915940 2937893 61 NON-AI DAUGHTERS                            | 83                    | 14,653                | 3.9          | 571            |                       |                       |                  |                      |                  |
| AI STUD, 72-01 LISTED, 03-64 61 WITH HERD-MATES                        | 83                    | 14,653                | 3.9          | 571            |                       |                       |                  |                      |                  |
| STATES- 12,13,14,15,16,21  |                       |                       |              |                | 23                    | 14,518                | 566              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 135                   | 5                |                      |                  |
| 1292927 GLENVUE CLIPPER.....   |                       |                       |              |                |                       |                       |                  |                      |                  |
| 01-10-56 010244626 010823583 12 NON-AI DAUGHTERS                       | 18                    | 16,638                | 3.5          | 590            |                       |                       |                  |                      |                  |
| LISTED, 08-62 12 WITH HERD-MATES                                       | 18                    | 16,638                | 3.5          | 590            |                       |                       |                  |                      |                  |
| STATES- 47   |                       |                       |              |                | 19                    | 15,131                | 548              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 1507                  | 42               |                      |                  |
| 1292994 GYPSIE IDEAL DELL.....   |                       |                       |              |                |                       |                       |                  |                      |                  |
| 09-10-56 1161997 2544970 13 NDN-AI DAUGHTERS                           | 17                    | 13,141                | 3.6          | 475            |                       |                       |                  |                      |                  |
| LISTED, 11-63 13 WITH HERD-MATES                                       | 17                    | 13,141                | 3.6          | 475            |                       |                       |                  |                      |                  |
| STATES- 41   |                       |                       |              |                | 5                     | 12,897                | 468              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 244                   | 7                |                      |                  |
| 1293072 FRAN-WILL REGAL GAIL C.....                                    |                       |                       |              |                |                       |                       |                  |                      |                  |
| 10-04-56 1109864 2473123 18 NDN-AI DAUGHTERS                           | 24                    | 10,686                | 3.9          | 420            |                       |                       |                  |                      |                  |
| LISTED, 03-64 18 WITH HERD-MATES                                       | 24                    | 10,686                | 3.9          | 420            |                       |                       |                  |                      |                  |
| STATES- 55   |                       |                       |              |                | 42                    | 11,004                | 411              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 318-                  | 9                |                      |                  |
| 1293184 KNDLLSIDE RD8URKE GENIUS.....                                  |                       |                       |              |                |                       |                       |                  |                      |                  |
| 11-05-56 1024453 3780460 16 NDN-AI DAUGHTERS                           | 20                    | 14,489                | 3.5          | 501            |                       |                       |                  |                      |                  |
| LISTED, 08-63 16 WITH HERD-MATES                                       | 20                    | 14,489                | 3.5          | 501            |                       |                       |                  |                      |                  |
| STATES- 41,51  |                       |                       |              |                | 16                    | 13,628                | 517              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 861                   | 16-              |                      |                  |
| 1293254 KYLAND AMY LEADER.....   |                       |                       |              |                |                       |                       |                  |                      |                  |
| 01-02-57 1262613 2464654 8 NON-AI DAUGHTERS                            | 13                    | 16,269                | 3.7          | 605            |                       |                       |                  |                      |                  |
| LISTED, 08-63 8 WITH HERD-MATES  | 12                    | 16,428                | 3.6          | 593            |                       |                       |                  |                      |                  |
| STATES- 35   |                       |                       |              |                | 23                    | 15,937                | 571              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 1091                  | 22               |                      |                  |
| 1293263 MIDLAND BURKE ADRIAN MAGIC.....                                |                       |                       |              |                |                       |                       |                  |                      |                  |
| 10-15-56 961535 3703972 50 AI DAUGHTERS-25*                            | 68                    | 13,979                | 3.7          | 513            |                       |                       |                  |                      |                  |
| AI STUD, 92-01 LISTED, 05-64 49 WITH HERD-MATES                        | 67                    | 14,052                | 3.7          | 515            |                       |                       |                  |                      |                  |
| STATES- 92,93  |                       |                       |              |                | 28                    | 13,737                | 505              | 12,825               | 467              |
|  |                       |                       |              |                | DIFF.                 | 315                   | 10               |                      |                  |
|  | 3                     | 13,033                | 4.1          | 533            |                       |                       |                  |                      |                  |
| 3 NDN-AI DAUGHTERS   | 3                     | 13,033                | 4.1          | 533            |                       |                       |                  |                      |                  |
| 3 WITH HERD-MATES  | 3                     | 13,033                | 4.1          | 533            |                       |                       |                  |                      |                  |
|  |                       |                       |              |                | 21                    | 16,227                | 614              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 3194-                 | 81-              |                      |                  |
| 1293380 RUSHMERE LASS SEAL.....  |                       |                       |              |                |                       |                       |                  |                      |                  |
| 12-18-56 1241491 3703440 13 NDN-AI DAUGHTERS                           | 13                    | 13,492                | 3.4          | 453            |                       |                       |                  |                      |                  |
| LISTED, 03-64 13 WITH HERD-MATES                                       | 13                    | 13,492                | 3.4          | 453            |                       |                       |                  |                      |                  |
| STATES- 33,35  |                       |                       |              |                | 14                    | 12,399                | 420              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 1093                  | 33               |                      |                  |
| 1293400 TULROSE SUSSEX BUTTER8DY.....                                  |                       |                       |              |                |                       |                       |                  |                      |                  |
| 06-24-56 1033250 2953910 9 NDN-AI DAUGHTERS                            | 12                    | 13,746                | 3.9          | 538            |                       |                       |                  |                      |                  |
| LISTED, 11-63 9 WITH HERD-MATES  | 12                    | 13,746                | 3.9          | 538            |                       |                       |                  |                      |                  |
| STATES- 50,51  |                       |                       |              |                | 8                     | 13,163                | 503              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 583                   | 35               |                      |                  |
| 1293401 LYDN 8ROOK WALLIE PRINCE.....                                  |                       |                       |              |                |                       |                       |                  |                      |                  |
| 05-31-56 1190632 3938067 30 AI DAUGHTERS-23                            | 32                    | 13,272                | 3.7          | 486            |                       |                       |                  |                      |                  |
| AI STUD, 63-01 LISTED, 05-64 30 WITH HERD-MATES                        | 32                    | 13,272                | 3.7          | 486            |                       |                       |                  |                      |                  |
| STATES- 21,23,50,51,52,55,56,63  |                       |                       |              |                | 20                    | 12,749                | 474              | 12,862               | 465              |
|  |                       |                       |              |                | DIFF.                 | 523                   | 12               |                      |                  |
|  | 23                    | 13,142                | 3.5          | 463            |                       |                       |                  |                      |                  |
| 23 NON-AI DAUGHTERS  | 36                    | 13,142                | 3.5          | 463            |                       |                       |                  |                      |                  |
| 23 WITH HERD-MATES   | 36                    | 13,142                | 3.5          | 463            |                       |                       |                  |                      |                  |
|  |                       |                       |              |                | 19                    | 13,294                | 481              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 152-                  | 18-              |                      |                  |
| 1293580 MAYERS MAJESTY DUKE.....                                       |                       |                       |              |                |                       |                       |                  |                      |                  |
| 05-17-55 1223977 3309700 785 AI DAUGHTERS-25*                          | 1018                  | 12,746                | 3.8          | 485            |                       |                       |                  |                      |                  |
| AI STUD, 33-01 LISTED, 05-64 771 WITH HERD-MATES                       | 996                   | 12,773                | 3.8          | 486            |                       |                       |                  |                      |                  |
| STATES- 11,14,21,23,31,32,33,34,35,41,42,52,54,55,57,61,63,64,65,84,85 |                       |                       |              |                | 17                    | 13,234                | 494              | 12,094               | 451              |
|  |                       |                       |              |                | DIFF.                 | 461-                  | 8-               |                      |                  |
|  | 38                    | 12,569                | 3.9          | 485            |                       |                       |                  |                      |                  |
| 38 NDN-AI DAUGHTERS  | 89                    | 12,569                | 3.9          | 485            |                       |                       |                  |                      |                  |
| 38 WITH HERD-MATES   | 89                    | 12,569                | 3.9          | 485            |                       |                       |                  |                      |                  |
|  |                       |                       |              |                | 17                    | 13,490                | 501              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 921-                  | 16-              |                      |                  |
| 1293814 GDDO FRIDAY PRINCE GOVERNDR.....                               |                       |                       |              |                |                       |                       |                  |                      |                  |
| 11-08-56 1164229 4249388 17 NDN-AI DAUGHTERS                           | 20                    | 11,202                | 4.0          | 446            |                       |                       |                  |                      |                  |
| LISTED, 11-63 12 WITH HERD-MATES                                       | 14                    | 11,208                | 4.0          | 448            |                       |                       |                  |                      |                  |
| STATES- 51   |                       |                       |              |                | 8                     | 11,966                | 451              |                      |                  |
|  |                       |                       |              |                | DIFF.                 | 758-                  | 3-               |                      |                  |



## SIRE OF OHIA OUGHTERS

| HDLSTEIN  | AV. PRDUCTION DF OAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|---|-----------------------|---------------------|---------------|
| RECDROS MILK TEST FAT                           | AV. MILK FAT          | MILK FAT            | MILK FAT      |
| NUMBER LB % LB                                  | NUMBER LB             | LB                  | LB            |
| 1293830 RUSTIC CLYOE HILL TRDJAN.....           |                       |                     |               |
| 09-04-56 1158310 3129427 9 NDN-AI DAUGHTERS     | 12 9,486 3.8 363      |                     |               |
| LISTEO, 01-63 9 WITH HERD-MATES                 | 12 9,486 3.8 363      | 16 12,087 447       |               |
| STATES- 32                                      |                       | DIFF. 2601- 84-     |               |
| 1293920 SIR WEBER DRMSBY BURKE.....             |                       |                     |               |
| 12-25-56 819478 3057498 9 NON-AI DAUGHTERS      | 14 9,949 3.6 363      |                     |               |
| LISTEO, 03-64 9 WITH HERD-MATES                 | 14 9,949 3.6 363      | 15 9,810 378        |               |
| STATES- 41                                      |                       | OIFF. 139 15-       |               |
| 1293957 LUCK BROS LDCHINVAR HANS.....           |                       |                     |               |
| 07-21-56 960472 3309366 41 NON-AI DAUGHTERS     | 51 10,364 3.3 338     |                     |               |
| LISTEO, 08-63 41 WITH HERD-MATES                | 51 10,364 3.3 338     | 17 11,642 371       |               |
| STATES- 52                                      |                       | OIFF. 1278- 33-     |               |
| 1293968 OSBDRNDAL HAS TO BE FDBES.....          |                       |                     |               |
| 02-17-57 934577 3448980 11 NDN-AI DAUGHTERS     | 12 13,376 3.6 485     |                     |               |
| LISTEO, 11-63 11 WITH HERD-MATES                | 12 13,376 3.6 485     | 16 12,454 457       |               |
| STATES- 14,16                                   |                       | DIFF. 922 28        |               |
| 1293970 OSBORNDAL FDBES SIR IVANHDE.....        |                       |                     |               |
| 01-26-57 1189870 3520534 10 NDN-AI DAUGHTERS    | 14 16,387 3.9 636     |                     |               |
| LISTED, 03-64 10 WITH HERD-MATES                | 14 16,387 3.9 636     | 21 17,185 650       |               |
| STATES- 15,16,21                                |                       | OIFF. 798- 14-      |               |
| 1294016 WINTERTHUR IODL FLARE LEANOER.....      |                       |                     |               |
| 07-21-56 1213163 3560808 21 NDN-AI OUGHTERS     | 47 15,111 3.6 543     |                     |               |
| AI STUD, 23-08 LISTEO, 05-64 21 WITH HERD-MATES | 47 15,111 3.6 543     | 16 14,454 518       |               |
| STATES- 21                                      |                       | DIFF. 657 25        |               |
| 1294034 ANAMOSA PILDY FDRWARD.....              |                       |                     |               |
| 11-01-56 1189590 2992474 11 AI OUGHTERS-03      | 11 11,685 3.6 417     |                     |               |
| AI STUD, 42-08 LISTED, 05-64 11 WITH HERD-MATES | 11 11,685 3.6 417     | 32 12,496 441       | 12,091 443    |
| STATES- 42                                      |                       | DIFF. 811- 24-      |               |
| 1294093 MERCEDES BDWMDNT PRIZE TAKER.....       |                       |                     |               |
| 11-24-55 1114612 3097705 9 NDN-AI DAUGHTERS     | 13 11,833 3.3 387     |                     |               |
| LISTEO, 11-63 9 WITH HERD-MATES                 | 13 11,833 3.3 387     | 6 11,082 378        |               |
| STATES- 61                                      |                       | DIFF. 751 9         |               |
| 1294094 SHAWS DUNLDGGIN CRETE DELIGHT.....      |                       |                     |               |
| 11-06-56 972500 3467981 11 NDN-AI DAUGHTERS     | 13 10,929 3.7 399     |                     |               |
| LISTED, 08-63 11 WITH HERD-MATES                | 13 10,929 3.7 399     | 20 11,589 416       |               |
| STATES- 13                                      |                       | DIFF. 660- 17-      |               |
| 1294095 SHAWS FERN TIDY UNA.....                |                       |                     |               |
| 11-10-56 1011980 2988339 32 NON-AI DAUGHTERS    | 49 16,697 3.8 633     |                     |               |
| LISTEO, 08-63 32 WITH HERD-MATES                | 49 16,697 3.8 633     | 17 15,798 589       |               |
| STATES- 11,12,14,16,21                          |                       | DIFF. 899 44        |               |
| 1294096 SHAWS FERN KINONESS.....                |                       |                     |               |
| 01-10-57 1011980 2988338 15 NON-AI OUGHTERS     | 20 14,005 3.9 550     |                     |               |
| LISTED, 03-64 15 WITH HERD-MATES                | 20 14,005 3.9 550     | 5 13,788 510        |               |
| STATES- 12                                      |                       | DIFF. 217 40        |               |
| 1294249 S P S M DE KOL STAR.....                |                       |                     |               |
| 02-09-57 1188551 3324658 17 NON-AI OUGHTERS     | 23 14,874 3.5 515     |                     |               |
| LISTED, 11-63 17 WITH HERD-MATES                | 23 14,874 3.5 515     | 19 14,853 523       |               |
| STATES- 34                                      |                       | OIFF. 21 8-         |               |
| 1294295 BURKE DRMSBY FDBES LDUIS.....           |                       |                     |               |
| 03-02-56 1136146 2833329 34 NDN-AI OUGHTERS     | 58 13,171 3.7 491     |                     |               |
| LISTED, 08-63 34 WITH HERD-MATES                | 58 13,171 3.7 491     | 19 13,194 493       |               |
| STATES- 45                                      |                       | DIFF. 23- 2-        |               |
| 1294318 .....                                   |                       |                     |               |
| STATES- 73                                      | 6 NON-AI DAUGHTERS    | 8 14,793 3.3 493    |               |
|   | 6 WITH HERD-MATES     | 8 14,793 3.3 493    |               |
|   |                       | 9 13,045 456        |               |
|   |                       | DIFF. 1748 37       |               |
| 1294371 SHAODWCLIFF GEORGE DRMSBY.....          |                       |                     |               |
| 09-18-56 955493 3452772 15 NON-AI OUGHTERS      | 21 14,569 3.8 556     |                     |               |
| LISTED, 08-63 15 WITH HERD-MATES                | 21 14,569 3.8 556     | 13 14,190 522       |               |
| STATES- 23                                      |                       | DIFF. 379 34        |               |
| 1294468 STDWELL FARMS KING MUTUAL.....          |                       |                     |               |
| 09-02-56 1087974 2550406 12 NON-AI OUGHTERS     | 15 14,279 3.4 486     |                     |               |
| LISTEO, 11-63 12 WITH HERD-MATES                | 15 14,279 3.4 486     | 20 13,905 502       |               |
| STATES- 21                                      |                       | OIFF. 374 16-       |               |
| 1294498 .....                                   |                       |                     |               |
| STATES- 31                                      | 7 NON-AI OUGHTERS     | 8 15,751 3.4 543    |               |
|   | 7 WITH HERD-MATES     | 7 15,603 3.4 537    |               |
|   |                       | 13 14,672 525       |               |
|   |                       | DIFF. 931 12        |               |
| 1294513 FERANA LEADER DLIVER.....               |                       |                     |               |
| 07-03-56 1070036 3273771 9 NON-AI DAUGHTERS     | 16 15,288 3.8 588     |                     |               |
| LISTEO, 08-62 9 WITH HERD-MATES                 | 16 15,288 3.8 588     | 19 13,768 505       |               |
| STATES- 42                                      |                       | OIFF. 1520 83       |               |
| 1294564 LDCHINVAR PRINCE CHIEF.....             |                       |                     |               |
| 04-03-55 1019538 3002209 26 NON-AI DAUGHTERS    | 64 14,269 3.6 509     |                     |               |
| LISTED, 08-62 26 WITH HERD-MATES                | 62 14,253 3.6 507     | 8 14,166 502        |               |
| STATES- 41,42                                   |                       | OIFF. 87 5          |               |
| 1294603 WESTMOUNT CORINE HOLLY.....             |                       |                     |               |
| 11-02-55 1028260 010983815 21 NON-AI OUGHTERS   | 28 9,864 3.5 348      |                     |               |
| LISTEO, 11-63 21 WITH HERD-MATES                | 28 9,864 3.5 348      | 26 10,392 356       |               |
| STATES- 63                                      |                       | OIFF. 528- 8-       |               |
| 1294623 BONNIEVENTURE BLUEBERRY.....            |                       |                     |               |
| 12-02-56 1001502 3470097 14 NDN-AI OUGHTERS     | 20 11,862 3.6 426     |                     |               |
| LISTED, 08-63 14 WITH HERD-MATES                | 20 11,862 3.6 426     | 13 11,648 419       |               |
| STATES- 14                                      |                       | DIFF. 214 7         |               |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN   |         |        |      |     | AV. PRODUCTION OF DAU. |    |   |    | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |
|--|---------|--------|------|-----|------------------------|----|---|----|---------------------|--------|-----|---------------|-----|
|  | RECORDS | MILK   | TEST | FAT | NUMBER                 | LB | % | LB | NUMBER              | MILK   | FAT | MILK          | FAT |
| 1294667 INDIANA REBURKE FDBES.....               |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 07-09-55 1003598 3254087 27 NDN-AI DAUGHTERS     | 43      | 13,272 | 3.5  | 463 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 01-63 27 WITH HERD-MATES                 | 43      | 13,272 | 3.5  | 463 |                        |    |   |    | 57                  | 12,976 | 459 |               |     |
| STATES- 32                                       |         |        |      |     |                        |    |   |    | DIFF.               | 296    | 4   |               |     |
| 1294703 WIL-D-WHIT RDBURKE MODEL.....            |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 03-21-56 1024453 3140596 11 NDN-AI DAUGHTERS     | 20      | 15,729 | 3.6  | 559 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 33-03 LISTED, 05-64 11 WITH HERD-MATES  | 20      | 15,729 | 3.6  | 559 |                        |    |   |    | 12                  | 13,901 | 487 |               |     |
| STATES- 83,87                                    |         |        |      |     |                        |    |   |    | DIFF.               | 1828   | 72  |               |     |
| 1294728 ELMER BRDDKE PREMADE HOMESTEAD.....      |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 09-27-56 1088846 3470587 28 AI DAUGHTERS-05      | 39      | 13,367 | 3.7  | 497 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 42-08 LISTED, 05-64 28 WITH HERD-MATES  | 39      | 13,367 | 3.7  | 497 |                        |    |   |    | 39                  | 12,140 | 448 | 13,307        | 489 |
| STATES- 42                                       |         |        |      |     |                        |    |   |    | DIFF.               | 1227   | 49  |               |     |
|  | 2       | 16,455 | 3.6  | 600 |                        |    |   |    | 21                  | 14,899 | 556 |               |     |
|  | 2       | 16,455 | 3.6  | 600 |                        |    |   |    | DIFF.               | 1556   | 44  |               |     |
| 1294758 WAL-DDRIS LEADER BURKE LAD.....          |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 12-20-56 915940 4050326 8 NDN-AI DAUGHTERS       | 9       | 14,378 | 3.5  | 505 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 03-64 8 WITH HERD-MATES                  | 9       | 14,378 | 3.5  | 505 |                        |    |   |    | 14                  | 13,686 | 483 |               |     |
| STATES- 35                                       |         |        |      |     |                        |    |   |    | DIFF.               | 692    | 22  |               |     |
| 1294809 ZIMMERMAN RDYAL PIET BESTAR.....         |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 10-10-56 1009372 3896923 17 NON-AI DAUGHTERS     | 21      | 13,355 | 3.7  | 498 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 11-63 14 WITH HERD-MATES                 | 17      | 13,076 | 3.7  | 486 |                        |    |   |    | 12                  | 12,448 | 445 |               |     |
| STATES- 31                                       |         |        |      |     |                        |    |   |    | DIFF.               | 628    | 41  |               |     |
| 1294824 CLANYARD RDMULUS HARRY.....              |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 07-08-56 1237594 2995445 9 AI DAUGHTERS-09       | 18      | 13,124 | 4.0  | 525 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 33-01 LISTED, 05-64 9 WITH HERD-MATES   | 18      | 13,124 | 4.0  | 525 |                        |    |   |    | 16                  | 13,056 | 492 | 12,524        | 471 |
| STATES- 33                                       |         |        |      |     |                        |    |   |    | DIFF.               | 68     | 33  |               |     |
| 1294825 AUDIC ANTHONY LUCKY.....                 |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 01-12-57 1122159 3259895 37 AI DAUGHTERS-25*     | 51      | 12,546 | 3.9  | 492 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 33-01 LISTED, 05-64 36 WITH HERD-MATES  | 50      | 12,702 | 3.9  | 495 |                        |    |   |    | 12                  | 12,626 | 460 | 12,539        | 481 |
| STATES- 32,33,35,56                              |         |        |      |     |                        |    |   |    | DIFF.               | 76     | 35  |               |     |
| 1294834 BAILAND MADCAP BUTTER BDY.....           |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 07-30-56 1152252 2842234 20 NON-AI DAUGHTERS     | 30      | 14,506 | 3.5  | 510 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 91-01 LISTED, 03-64 20 WITH HERD-MATES  | 30      | 14,506 | 3.5  | 510 |                        |    |   |    | 38                  | 15,062 | 548 |               |     |
| STATES- 33,35,91                                 |         |        |      |     |                        |    |   |    | DIFF.               | 556-   | 38- |               |     |
| 1294904 .....                                    |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
|  | 5       | 16,463 | 3.7  | 617 |                        |    |   |    |                     |        |     |               |     |
| STATES- 23                                       | 5       | 16,463 | 3.7  | 617 |                        |    |   |    | 20                  | 14,076 | 527 |               |     |
|  |         |        |      |     |                        |    |   |    | DIFF.               | 2387   | 90  |               |     |
| 1295022 HEERSCHER FDBES MAGIC.....               |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 07-21-55 1155469 3558019 5 NON-AI DAUGHTERS      | 6       | 17,176 | 3.4  | 580 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 05-64 5 WITH HERD-MATES                  | 6       | 17,176 | 3.4  | 580 |                        |    |   |    | 13                  | 16,288 | 548 |               |     |
| STATES- 71,73                                    |         |        |      |     |                        |    |   |    | DIFF.               | 888    | 32  |               |     |
| 1295060 CLOVERBRDDK ORMSBY LEADER LAD.....       |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 08-26-56 1225191 3539174 10 NON-AI DAUGHTERS     | 20      | 13,990 | 3.7  | 521 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 08-63 10 WITH HERD-MATES                 | 19      | 13,991 | 3.7  | 522 |                        |    |   |    | 10                  | 13,596 | 519 |               |     |
| STATES- 42                                       |         |        |      |     |                        |    |   |    | DIFF.               | 395    | 3   |               |     |
| 1295082 .....                                    |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
|  | 5       | 8,134  | 3.5  | 283 |                        |    |   |    |                     |        |     |               |     |
| STATES- 41                                       | 5       | 8,134  | 3.5  | 283 |                        |    |   |    | 13                  | 10,517 | 374 |               |     |
|  |         |        |      |     |                        |    |   |    | DIFF.               | 2383-  | 91- |               |     |
| 1295164 .....                                    |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
|  | 8       | 9,143  | 3.6  | 326 |                        |    |   |    |                     |        |     |               |     |
| STATES- 33                                       | 7       | 8,614  | 3.5  | 305 |                        |    |   |    | 7                   | 10,393 | 382 |               |     |
|  |         |        |      |     |                        |    |   |    | DIFF.               | 1779-  | 77- |               |     |
| 1295281 MAVIEW SIR DUREEN FERN SIDE.....         |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 01-21-57 1141276 2991753 14 NON-AI DAUGHTERS     | 20      | 13,588 | 4.0  | 545 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 08-63 14 WITH HERD-MATES                 | 20      | 13,588 | 4.0  | 545 |                        |    |   |    | 18                  | 14,379 | 570 |               |     |
| STATES- 12,14                                    |         |        |      |     |                        |    |   |    | DIFF.               | 791-   | 25- |               |     |
| 1295307 RICH-HERD TEXAL TRIUMPH.....             |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 12-23-55 1235336 3974559 29 NON-AI DAUGHTERS     | 44      | 15,248 | 3.7  | 569 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 35-05 LISTED, 05-64 28 WITH HERD-MATES  | 42      | 15,122 | 3.7  | 565 |                        |    |   |    | 11                  | 14,944 | 554 |               |     |
| STATES- 82,84,85,87                              |         |        |      |     |                        |    |   |    | DIFF.               | 178    | 11  |               |     |
| 1295359 HOWVALE METCALFS COUNT.....              |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 09-12-56 1038118 3614117 9 NON-AI DAUGHTERS      | 10      | 12,766 | 3.8  | 487 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 05-64 8 WITH HERD-MATES                  | 9       | 12,614 | 3.8  | 478 |                        |    |   |    | 15                  | 13,217 | 494 |               |     |
| STATES- 13                                       |         |        |      |     |                        |    |   |    | DIFF.               | 603-   | 16- |               |     |
| 1295522 PINEYHILL OON JUAN.....                  |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 04-14-56 010198998 3326003 349 AI DAUGHTERS-25*  | 522     | 12,850 | 3.8  | 492 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 22-03 LISTED, 05-64 337 WITH HERD-MATES | 501     | 12,891 | 3.8  | 495 |                        |    |   |    | 28                  | 13,423 | 500 | 12,051        | 454 |
| STATES- 21,22,23,51,52                           |         |        |      |     |                        |    |   |    | DIFF.               | 532-   | 5-  |               |     |
|  | 4       | 12,645 | 3.9  | 491 |                        |    |   |    | 41                  | 12,787 | 480 |               |     |
|  | 4       | 12,645 | 3.9  | 491 |                        |    |   |    | DIFF.               | 142-   | 11  |               |     |
| 1295523 PINEYHILL SULTAN.....                    |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 08-01-56 010198998 3235970 11 NON-AI DAUGHTERS   | 12      | 15,256 | 4.0  | 617 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 93-10 LISTED, 05-64 11 WITH HERD-MATES  | 12      | 15,256 | 4.0  | 617 |                        |    |   |    | 19                  | 14,640 | 537 |               |     |
| STATES- 21,22,23,50                              |         |        |      |     |                        |    |   |    | DIFF.               | 616    | 80  |               |     |
| 1295566 DUTCH HARBOR LARRY DICTATOR.....         |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 09-10-56 1184848 3122482 13 NON-AI DAUGHTERS     | 20      | 9,598  | 3.8  | 364 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 08-63 13 WITH HERD-MATES                 | 20      | 9,598  | 3.8  | 364 |                        |    |   |    | 10                  | 10,843 | 404 |               |     |
| STATES- 32                                       |         |        |      |     |                        |    |   |    | DIFF.               | 1245-  | 40- |               |     |
| 1295577 JON-DE LEADER ACE.....                   |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 11-30-56 915940 3342596 13 NON-AI DAUGHTERS      | 18      | 13,200 | 4.0  | 530 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 08-63 13 WITH HERD-MATES                 | 18      | 13,200 | 4.0  | 530 |                        |    |   |    | 11                  | 15,560 | 599 |               |     |
| STATES- 35                                       |         |        |      |     |                        |    |   |    | DIFF.               | 2360-  | 69- |               |     |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF |  |  |  | AV. RECORDS | MILK   | TEST | FAT | AV. AOJ. HERO-MATES | AV. MILK | AV. FAT | PREOICTED AV. MILK | AV. FAT |
|--|-------------------|--|--|--|-------------|--------|------|-----|---------------------|----------|---------|--------------------|---------|
|  |                   |  |  |  | NUMBER      | L8     | %    | L8  | NUMBER              | L8       | L8      | L8                 | L8      |
| 1295578 JON-OE LEADER AARON.....                 |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| 12-28-56 915940 4013715 8 NON-AI DAUGHTERS       |                   |  |  |  | 10          | 14,656 | 3.4  | 504 |                     |          |         |                    |         |
| LISTED, 05-64 8 WITH HERD-MATES                  |                   |  |  |  | 10          | 14,656 | 3.4  | 504 | 7                   | 12,642   | 467     |                    |         |
| STATES- 35,52                                    |                   |  |  |  |             |        |      |     | OIFF.               | 2014     | 37      |                    |         |
| 1295608 SUNNYSIDE REGAL LUCY.....                |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| 08-02-56 901195 3093548 74 AI DAUGHTERS-25*      |                   |  |  |  | 85          | 12,977 | 3.6  | 468 |                     |          |         |                    |         |
| AI STUO, 33-03 LISTED, 05-64 74 WITH HERD-MATES  |                   |  |  |  | 84          | 12,983 | 3.6  | 468 | 18                  | 13,191   | 483     | 12,354             | 445     |
| STATES- 13,14,16,21,22,23,31,                    |                   |  |  |  |             |        |      |     | OIFF.               | 208-     | 15-     |                    |         |
| 32,33,34,35,41,42,43,50,51,52,                   |                   |  |  |  | 29          | 13,907 | 3.6  | 505 |                     |          |         |                    |         |
| 84,93 21 NON-AI DAUGHTERS                        |                   |  |  |  | 27          | 13,855 | 3.6  | 503 | 18                  | 13,729   | 490     |                    |         |
| 21 WITH HERD-MATES                               |                   |  |  |  |             |        |      |     | OIFF.               | 126      | 13      |                    |         |
| 1295652 MAPLEWOOD LANE PAT BOOMER - TWIN.....    |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| 11-21-56 1244854 3355655 11 NON-AI DAUGHTERS     |                   |  |  |  | 16          | 10,144 | 3.7  | 378 |                     |          |         |                    |         |
| LISTED, 11-63 8 WITH HERD-MATES                  |                   |  |  |  | 10          | 10,265 | 3.7  | 384 | 12                  | 10,448   | 397     |                    |         |
| STATES- 33                                       |                   |  |  |  |             |        |      |     | OIFF.               | 183-     | 13-     |                    |         |
| 1295738 80-CAR IMPERIAL VIRGINIA GENE.....       |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| 10-22-56 956081 3372436 8 NON-AI DAUGHTERS       |                   |  |  |  | 9           | 14,836 | 3.7  | 543 |                     |          |         |                    |         |
| LISTED, 03-64 8 WITH HERD-MATES                  |                   |  |  |  | 9           | 14,836 | 3.7  | 543 | 30                  | 12,954   | 493     |                    |         |
| STATES- 21                                       |                   |  |  |  |             |        |      |     | OIFF.               | 1882     | 50      |                    |         |
| 1295787 VALLEYCREST MAC RAE HOPE.....            |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| 10-03-56 1265893 3697225 9 NON-AI DAUGHTERS      |                   |  |  |  | 12          | 11,344 | 3.7  | 424 |                     |          |         |                    |         |
| LISTED, 08-63 9 WITH HERD-MATES                  |                   |  |  |  | 12          | 11,344 | 3.7  | 424 | 15                  | 13,430   | 494     |                    |         |
| STATES- 34,35                                    |                   |  |  |  |             |        |      |     | OIFF.               | 2086-    | 70-     |                    |         |
| 1295793 .....                                    |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| STATES- 21,32 5 NON-AI DAUGHTERS                 |                   |  |  |  | 6           | 11,187 | 4.0  | 442 |                     |          |         |                    |         |
| 5 WITH HERD-MATES                                |                   |  |  |  | 5           | 11,236 | 4.0  | 444 | 183                 | 13,283   | 473     |                    |         |
|  |                   |  |  |  |             |        |      |     | OIFF.               | 2047-    | 29-     |                    |         |
| 1295795 CRESCENT BEAUTY REAR ADMIRAL.....        |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| 09-18-56 1206641 3379745 10 NON-AI DAUGHTERS     |                   |  |  |  | 15          | 14,210 | 3.8  | 539 |                     |          |         |                    |         |
| LISTED, 03-64 10 WITH HERD-MATES                 |                   |  |  |  | 15          | 14,210 | 3.8  | 539 | 10                  | 13,960   | 552     |                    |         |
| STATES- 45,46                                    |                   |  |  |  |             |        |      |     | OIFF.               | 250      | 13-     |                    |         |
| 1295800 .....                                    |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| STATES- 31 10 NON-AI DAUGHTERS                   |                   |  |  |  | 11          | 10,665 | 3.6  | 379 |                     |          |         |                    |         |
| 10 WITH HERD-MATES                               |                   |  |  |  | 11          | 10,665 | 3.6  | 379 | 8                   | 11,534   | 405     |                    |         |
|  |                   |  |  |  |             |        |      |     | OIFF.               | 869-     | 26-     |                    |         |
| 1295808 .....                                    |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| STATES- 84 7 NON-AI DAUGHTERS                    |                   |  |  |  | 8           | 12,966 | 3.5  | 458 |                     |          |         |                    |         |
| 7 WITH HERD-MATES                                |                   |  |  |  | 8           | 12,966 | 3.5  | 458 | 6                   | 13,032   | 470     |                    |         |
|  |                   |  |  |  |             |        |      |     | OIFF.               | 66-      | 12-     |                    |         |
| 1295816 AIR VIEW FRANLO VALOESSA.....            |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| 08-12-56 1222547 2762284 16 NON-AI DAUGHTERS     |                   |  |  |  | 26          | 12,235 | 3.9  | 482 |                     |          |         |                    |         |
| LISTED, 08-63 16 WITH HERD-MATES                 |                   |  |  |  | 26          | 12,235 | 3.9  | 482 | 19                  | 13,662   | 510     |                    |         |
| STATES- 32                                       |                   |  |  |  |             |        |      |     | OIFF.               | 1427-    | 28-     |                    |         |
| 1295817 .....                                    |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| STATES- 31 5 NON-AI DAUGHTERS                    |                   |  |  |  | 5           | 16,198 | 3.6  | 590 |                     |          |         |                    |         |
| 5 WITH HERD-MATES                                |                   |  |  |  | 5           | 16,198 | 3.6  | 590 | 13                  | 15,684   | 578     |                    |         |
|  |                   |  |  |  |             |        |      |     | OIFF.               | 514      | 12      |                    |         |
| 1295822 QUIN LYNN FAVORITE MOOEL.....            |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| 08-01-56 1111081 3230059 16 NON-AI DAUGHTERS     |                   |  |  |  | 25          | 11,802 | 3.7  | 441 |                     |          |         |                    |         |
| LISTED, 03-64 16 WITH HERD-MATES                 |                   |  |  |  | 24          | 11,817 | 3.7  | 439 | 5                   | 9,795    | 360     |                    |         |
| STATES- 48                                       |                   |  |  |  |             |        |      |     | OIFF.               | 2022     | 79      |                    |         |
| 1295907 ROEHL LEADER CHIEF.....                  |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| 10-24-56 915940 3548841 21 NON-AI DAUGHTERS      |                   |  |  |  | 22          | 13,251 | 3.5  | 469 |                     |          |         |                    |         |
| LISTED, 03-64 21 WITH HERD-MATES                 |                   |  |  |  | 22          | 13,251 | 3.5  | 469 | 15                  | 12,893   | 438     |                    |         |
| STATES- 35                                       |                   |  |  |  |             |        |      |     | OIFF.               | 358      | 31      |                    |         |
| 1295919 MAYWOOD ROCKET ALFREO.....               |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| 02-23-57 1122159 3765757 9 NON-AI DAUGHTERS      |                   |  |  |  | 12          | 12,842 | 3.4  | 439 |                     |          |         |                    |         |
| LISTED, 11-63 9 WITH HERD-MATES                  |                   |  |  |  | 12          | 12,842 | 3.4  | 439 | 11                  | 12,524   | 450     |                    |         |
| STATES- 33                                       |                   |  |  |  |             |        |      |     | OIFF.               | 318      | 11-     |                    |         |
| 1296055 HOWACRES HOMESTEAD TOM.....              |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| 10-20-56 1038118 3140178 14 NON-AI DAUGHTERS     |                   |  |  |  | 19          | 10,758 | 4.0  | 433 |                     |          |         |                    |         |
| LISTED, 11-63 14 WITH HERD-MATES                 |                   |  |  |  | 19          | 10,758 | 4.0  | 433 | 50                  | 11,971   | 465     |                    |         |
| STATES- 12                                       |                   |  |  |  |             |        |      |     | OIFF.               | 1213-    | 32-     |                    |         |
| 1296074 OIC CROIXCO BURKE.....                   |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| 10-04-56 988614 3616853 31 NON-AI DAUGHTERS      |                   |  |  |  | 47          | 13,102 | 3.5  | 462 |                     |          |         |                    |         |
| LISTED, 08-63 31 WITH HERD-MATES                 |                   |  |  |  | 46          | 13,142 | 3.5  | 463 | 13                  | 12,892   | 480     |                    |         |
| STATES- 35                                       |                   |  |  |  |             |        |      |     | OIFF.               | 250      | 17-     |                    |         |
| 1296098 .....                                    |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| STATES- 32 8 NON-AI DAUGHTERS                    |                   |  |  |  | 8           | 8,896  | 3.9  | 349 |                     |          |         |                    |         |
| 8 WITH HERD-MATES                                |                   |  |  |  | 8           | 8,896  | 3.9  | 349 | 17                  | 12,067   | 451     |                    |         |
|  |                   |  |  |  |             |        |      |     | OIFF.               | 3171-    | 102-    |                    |         |
| 1296154 .....                                    |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| STATES- 32 5 NON-AI DAUGHTERS                    |                   |  |  |  | 6           | 12,018 | 3.9  | 473 |                     |          |         |                    |         |
| 5 WITH HERD-MATES                                |                   |  |  |  | 6           | 12,018 | 3.9  | 473 | 21                  | 14,071   | 550     |                    |         |
|  |                   |  |  |  |             |        |      |     | OIFF.               | 2053-    | 77-     |                    |         |
| 1296220 POLYGALA TY VIC DESIGN.....              |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| 02-26-56 942029 3032391 13 NON-AI DAUGHTERS      |                   |  |  |  | 15          | 14,143 | 3.6  | 514 |                     |          |         |                    |         |
| LISTED, 11-63 13 WITH HERD-MATES                 |                   |  |  |  | 15          | 14,143 | 3.6  | 514 | 18                  | 13,628   | 488     |                    |         |
| STATES- 13,14,16                                 |                   |  |  |  |             |        |      |     | OIFF.               | 515      | 26      |                    |         |
| 1296266 PARST SENTRY.....                        |                   |  |  |  |             |        |      |     |                     |          |         |                    |         |
| 12-14-56 915940 3149303 141 AI DAUGHTERS-25*     |                   |  |  |  | 180         | 13,020 | 3.8  | 491 |                     |          |         |                    |         |
| AI STUO, 33-02 LISTED, 05-64 140 WITH HERD-MATES |                   |  |  |  | 178         | 13,042 | 3.8  | 492 | 16                  | 12,739   | 468     | 12,775             | 478     |
| STATES- 33,63,64                                 |                   |  |  |  |             |        |      |     | OIFF.               | 303      | 24      |                    |         |



## SIREs OF DHIA DAUGHTERS

| HOLSTEIN   | AV. RECORDS | PRODUCTION MILK LB | OF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|--|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1296285 MASTER ACE INKA POSCH.....   |             |                    |           |             |                 |                    |            |                   |            |
| 08-08-56 1186187 3292585 19 NON-AI DAUGHTERS   | 29          | 14,769             | 3.3       | 493         |                 |                    |            |                   |            |
| LISTED, 08-63 19 WITH HERD-MATES   | 29          | 14,769             | 3.3       | 493         | 12              | 15,507             | 554        |                   |            |
| STATES- 34   |             |                    |           |             | DIFF.           | 738-               | 61-        |                   |            |
| 1296322 CLYDE HILL ELATIDN RDSA.....   |             |                    |           |             |                 |                    |            |                   |            |
| 02-13-57 1257834 3166913 24 NON-AI DAUGHTERS   | 25          | 13,879             | 3.8       | 529         |                 |                    |            |                   |            |
| LISTED, 03-64 24 WITH HERD-MATES   | 25          | 13,879             | 3.8       | 529         | 6               | 12,918             | 472        |                   |            |
| STATES- 43   |             |                    |           |             | DIFF.           | 961                | 57         |                   |            |
| 1296359 MALLARY DOUBLE KEEPSAKE.....   |             |                    |           |             |                 |                    |            |                   |            |
| 12-30-56 1113778 4017130 8 NON-AI DAUGHTERS  | 11          | 11,987             | 3.8       | 457         |                 |                    |            |                   |            |
| LISTED, 03-64 8 WITH HERD-MATES  | 11          | 11,987             | 3.8       | 457         | 19              | 12,400             | 448        |                   |            |
| STATES- 46   |             |                    |           |             | DIFF.           | 413-               | 9          |                   |            |
| 1296494 N O H NABOTH QUEEN LEONA.....  |             |                    |           |             |                 |                    |            |                   |            |
| 11-28-56 981308 3765078 21 NON-AI DAUGHTERS  | 35          | 13,063             | 3.2       | 420         |                 |                    |            |                   |            |
| LISTED, 08-63 21 WITH HERD-MATES   | 35          | 13,063             | 3.2       | 420         | 28              | 14,251             | 469        |                   |            |
| STATES- 73   |             |                    |           |             | DIFF.           | 1188-              | 49-        |                   |            |
| 1296537 SENSATION HIGHLINE O MERRY MAN.....  |             |                    |           |             |                 |                    |            |                   |            |
| 08-07-56 953325 2902321 9 NON-AI DAUGHTERS   | 12          | 10,996             | 3.9       | 427         |                 |                    |            |                   |            |
| LISTED, 08-63 8 WITH HERD-MATES  | 11          | 11,143             | 4.0       | 443         | 12              | 14,300             | 530        |                   |            |
| STATES- 14,21  |             |                    |           |             | DIFF.           | 3157-              | 87-        |                   |            |
| 1296576 FREE8AER ROYAL LANCER.....   |             |                    |           |             |                 |                    |            |                   |            |
| 01-05-57 01019898 3694555 17 NON-AI DAUGHTERS  | 22          | 12,747             | 3.8       | 481         |                 |                    |            |                   |            |
| AI STUD, 33-03 LISTED, 05-64 16 WITH HERD-MATES                                      | 20          | 12,694             | 3.8       | 478         | 15              | 14,057             | 502        |                   |            |
| STATES- 14,21,23,41  |             |                    |           |             | DIFF.           | 1363-              | 24-        |                   |            |
| 1296729 RDSNI CONQUERDR KORNDYKE FDBES.....  |             |                    |           |             |                 |                    |            |                   |            |
| 11-06-56 860768 3632376 186 AI DAUGHTERS-25*   | 259         | 14,149             | 3.6       | 503         |                 |                    |            |                   |            |
| AI STUD, 23-02 LISTED, 05-64 186 WITH HERD-MATES                                     | 257         | 14,145             | 3.6       | 503         | 14              | 13,374             | 494        | 13,272            | 467        |
| STATES- 23,55  |             |                    |           |             | DIFF.           | 771                | 9          |                   |            |
| 1 NON-AI DAUGHTERS   | 2           | 13,785             | 3.9       | 531         |                 |                    |            |                   |            |
| 1 WITH HERD-MATES  | 2           | 13,785             | 3.9       | 531         | 14              | 11,852             | 418        |                   |            |
|  |             |                    |           |             | DIFF.           | 1933               | 113        |                   |            |
| 1296847 USNAD WAYNE FAYNE.....   |             |                    |           |             |                 |                    |            |                   |            |
| 03-18-57 1212588 3177828 14 NON-AI DAUGHTERS   | 19          | 13,184             | 3.5       | 466         |                 |                    |            |                   |            |
| LISTED, 03-64 14 WITH HERD-MATES   | 19          | 13,184             | 3.5       | 466         | 15              | 13,427             | 478        |                   |            |
| STATES- 54   |             |                    |           |             | DIFF.           | 243-               | 12-        |                   |            |
| 1296910 SIOUXLAND DEX MONARCH - TWIN.....  |             |                    |           |             |                 |                    |            |                   |            |
| 07-29-56 1251525 3084944 19 NON-AI DAUGHTERS   | 23          | 12,152             | 3.6       | 440         |                 |                    |            |                   |            |
| LISTED, 03-64 19 WITH HERD-MATES   | 23          | 12,152             | 3.6       | 440         | 17              | 11,973             | 436        |                   |            |
| STATES- 45   |             |                    |           |             | DIFF.           | 179                | 4          |                   |            |
| 1297061 LI8RDC C. EMPEROR RDCKET TONE.....   |             |                    |           |             |                 |                    |            |                   |            |
| 11-23-56 010205523 3341600 8 NON-AI DAUGHTERS  | 16          | 13,908             | 4.2       | 586         |                 |                    |            |                   |            |
| LISTED, 08-62 8 WITH HERD-MATES  | 16          | 13,908             | 4.2       | 586         | 21              | 13,194             | 507        |                   |            |
| STATES- 12,13,14,21  |             |                    |           |             | DIFF.           | 714                | 79         |                   |            |
| 1297075 HALLCREST FOLLW DN LEADER.....   |             |                    |           |             |                 |                    |            |                   |            |
| 02-20-57 1142734 2681572 23 NON-AI DAUGHTERS   | 35          | 13,066             | 3.7       | 484         |                 |                    |            |                   |            |
| AI STUD, 63-01 LISTED, 05-64 22 WITH HERD-MATES                                      | 34          | 13,163             | 3.7       | 486         | 11              | 12,951             | 477        |                   |            |
| STATES- 21,23  |             |                    |           |             | DIFF.           | 212                | 9          |                   |            |
| 1297090 OAK DELL GOMAR DICTATOR.....   |             |                    |           |             |                 |                    |            |                   |            |
| 03-14-56 1111083 3047893 23 AI DAUGHTERS-09  | 37          | 12,837             | 4.0       | 517         |                 |                    |            |                   |            |
| AI STUD, 32-02 LISTED, 05-64 23 WITH HERD-MATES                                      | 37          | 12,837             | 4.0       | 517         | 20              | 14,084             | 524        | 11,765            | 455        |
| STATES- 32,33  |             |                    |           |             | DIFF.           | 1247-              | 7-         |                   |            |
| 1297128 HARMONIOUS COMMANDER FLASH.....  |             |                    |           |             |                 |                    |            |                   |            |
| 10-24-56 1188570 3315461 12 NON-AI DAUGHTERS   | 13          | 15,693             | 3.7       | 576         |                 |                    |            |                   |            |
| LISTED, 11-63 12 WITH HERD-MATES   | 13          | 15,693             | 3.7       | 576         | 17              | 15,774             | 576        |                   |            |
| STATES- 23   |             |                    |           |             | DIFF.           | 81-                |            |                   |            |
| 1297165 RAVENGLN DARKIE TRIUNE.....  |             |                    |           |             |                 |                    |            |                   |            |
| 01-08-56 1050848 3365914 27 NON-AI DAUGHTERS   | 44          | 15,598             | 3.4       | 533         |                 |                    |            |                   |            |
| LISTED, 08-63 27 WITH HERD-MATES   | 44          | 15,598             | 3.4       | 533         | 14              | 15,493             | 547        |                   |            |
| STATES- 35,48  |             |                    |           |             | DIFF.           | 105                | 14-        |                   |            |
| 1297169 RAVENGLN REX TRIUNE.....   |             |                    |           |             |                 |                    |            |                   |            |
| 02-01-57 915940 3122167 34 NON-AI DAUGHTERS  | 53          | 13,590             | 3.6       | 488         |                 |                    |            |                   |            |
| AI STUD, 31-02 LISTED, 05-64 34 WITH HERD-MATES                                      | 53          | 13,590             | 3.6       | 488         | 19              | 13,573             | 490        |                   |            |
| STATES- 33,34,35,41,42,46,48, 52   |             |                    |           |             | DIFF.           | 17                 | 2-         |                   |            |
| 1297178 ATHLONE ADMIRAL BEGET.....   |             |                    |           |             |                 |                    |            |                   |            |
| 02-20-57 1210078 3499457 132 AI DAUGHTERS-25*  | 156         | 12,224             | 3.7       | 453         |                 |                    |            |                   |            |
| AI STUD, 33-03 LISTED, 05-64 132 WITH HERD-MATES                                     | 155         | 12,225             | 3.7       | 453         | 16              | 12,827             | 471        | 11,956            | 440        |
| STATES- 11,12,13,14,16,21,22, 23,31,32,33,34,35,41,42,43,47, 48,51,52,54,82,87,91,92 |             |                    |           |             | DIFF.           | 602-               | 18-        |                   |            |
| 2 NON-AI DAUGHTERS   | 3           | 12,895             | 4.2       | 540         |                 |                    |            |                   |            |
| 2 WITH HERD-MATES  | 3           | 12,895             | 4.2       | 540         | 11              | 15,046             | 556        |                   |            |
|  |             |                    |           |             | DIFF.           | 2151-              | 16-        |                   |            |
| 1297182 INKA FRYSLAN PABST.....  |             |                    |           |             |                 |                    |            |                   |            |
| 02-11-55 989493 2729146 23 NON-AI DAUGHTERS  | 39          | 14,372             | 3.5       | 510         |                 |                    |            |                   |            |
| LISTED, 08-63 23 WITH HERD-MATES   | 37          | 14,386             | 3.5       | 510         | 7               | 14,169             | 518        |                   |            |
| STATES- 35   |             |                    |           |             | DIFF.           | 217                | 8-         |                   |            |
| 1297296 VERNWAY LEADER SCOTT.....  |             |                    |           |             |                 |                    |            |                   |            |
| 07-11-55 955524 3206996 138 AI DAUGHTERS-25*   | 198         | 13,206             | 3.7       | 484         |                 |                    |            |                   |            |
| AI STUD, 92-01 LISTED, 05-64 133 WITH HERD-MATES                                     | 188         | 13,236             | 3.7       | 485         | 25              | 13,573             | 495        | 12,264            | 450        |
| STATES- 91,92  |             |                    |           |             | DIFF.           | 337-               | 10-        |                   |            |
| 2 NON-AI DAUGHTERS   | 5           | 9,984              | 3.7       | 366         |                 |                    |            |                   |            |
| 2 WITH HERD-MATES  | 5           | 9,984              | 3.7       | 366         | 25              | 11,004             | 404        |                   |            |
|  |             |                    |           |             | DIFF.           | 1020-              | 38-        |                   |            |
| 1297319 .....  |             |                    |           |             |                 |                    |            |                   |            |
| 5 NON-AI DAUGHTERS   | 6           | 11,384             | 3.9       | 444         |                 |                    |            |                   |            |
| STATES- 12,13  | 5           | 11,384             | 3.9       | 444         | 34              | 13,091             | 512        |                   |            |
|  |             |                    |           |             | DIFF.           | 1707-              | 68-        |                   |            |

## SIRE OF DHIA DAUGHTERS

## HOLSTEIN

|                |                                    |     |                  | AV. PRODUCTION OF | DAU.   | ADJ. HERO-MATES AV. | PREDICTED AV. |
|----------------|------------------------------------|-----|------------------|-------------------|--------|---------------------|---------------|
|                |                                    |     |                  | RECORDS           | FAT    | AV. MILK            | AV. MILK      |
|                |                                    |     |                  | NUMBER            | L8     | L8                  | L8            |
|                |                                    |     |                  |                   | %      |                     |               |
| 1297342        | WIS RAVEN SYM80L COUNT.....        |     |                  |                   |        |                     |               |
| 03-11-57       | 1189593 3951166                    | 12  | NON-AI DAUGHTERS | 24                | 9,863  | 3.6                 | 352           |
|                | LISTED, 08-62                      | 12  | WITH HERD-MATES  | 24                | 9,863  | 3.6                 | 352           |
| STATES-        | 42                                 |     |                  |                   |        | 71                  | 10,143        |
|                |                                    |     |                  |                   |        | DIFF.               | 280-          |
|                |                                    |     |                  |                   |        |                     | 364           |
|                |                                    |     |                  |                   |        |                     | 12-           |
| 1297350        | ELMWOOD LEADER ORMS8Y.....         |     |                  |                   |        |                     |               |
| 11-12-56       | 915940 2748524                     | 12  | NON-AI DAUGHTERS | 17                | 12,911 | 3.6                 | 461           |
|                | LISTED, 11-63                      | 12  | WITH HERD-MATES  | 17                | 12,911 | 3.6                 | 461           |
| STATES-        | 35                                 |     |                  |                   |        | 11                  | 14,073        |
|                |                                    |     |                  |                   |        | DIFF.               | 1162-         |
|                |                                    |     |                  |                   |        |                     | 499           |
|                |                                    |     |                  |                   |        |                     | 38-           |
| 1297401        | SHADY MEADOW SHANGHIGH ORMS8Y..... |     |                  |                   |        |                     |               |
| 02-08-57       | 1090258 3671396                    | 16  | NON-AI DAUGHTERS | 20                | 13,560 | 3.7                 | 501           |
| AI STUO, 55-01 | LISTED, 05-64                      | 15  | WITH HERD-MATES  | 19                | 13,758 | 3.7                 | 510           |
| STATES-        | 31,32                              |     |                  |                   |        | 8                   | 12,914        |
|                |                                    |     |                  |                   |        | DIFF.               | 844           |
|                |                                    |     |                  |                   |        |                     | 467           |
|                |                                    |     |                  |                   |        |                     | 43            |
| 1297420        | TEXAL RICH-HERD JOLLY.....         |     |                  |                   |        |                     |               |
| 01-03-54       | 010160321 010839294                | 7   | AI DAUGHTERS-07  | 7                 | 13,929 | 3.6                 | 503           |
| AI STUO, 42-02 | LISTED, 05-64                      | 7   | WITH HERD-MATES  | 7                 | 13,929 | 3.6                 | 503           |
| STATES-        | 42,81,82,84,87                     |     |                  |                   |        | 10                  | 12,028        |
|                |                                    |     |                  |                   |        | DIFF.               | 1901          |
|                |                                    |     |                  |                   |        |                     | 450           |
|                |                                    |     |                  |                   |        |                     | 13,140        |
|                |                                    |     |                  |                   |        |                     | 474           |
|                |                                    | 30  | NON-AI DAUGHTERS | 81                | 16,048 | 3.3                 | 534           |
|                |                                    | 30  | WITH HERD-MATES  | 81                | 16,048 | 3.3                 | 534           |
|                |                                    |     |                  |                   |        | 10                  | 14,568        |
|                |                                    |     |                  |                   |        | DIFF.               | 1480          |
|                |                                    |     |                  |                   |        |                     | 498           |
|                |                                    |     |                  |                   |        |                     | 36            |
| 1297424        | PRINCE WESTY IDEAL.....            |     |                  |                   |        |                     |               |
| 12-09-56       | 1090340 3155601                    | 8   | NON-AI DAUGHTERS | 13                | 11,378 | 3.6                 | 414           |
|                | LISTED, 08-63                      | 8   | WITH HERD-MATES  | 13                | 11,378 | 3.6                 | 414           |
| STATES-        | 33                                 |     |                  |                   |        | 12                  | 11,523        |
|                |                                    |     |                  |                   |        | DIFF.               | 145-          |
|                |                                    |     |                  |                   |        |                     | 409           |
|                |                                    |     |                  |                   |        |                     | 5             |
| 1297446        | PIPER VIEW BU88LER.....            |     |                  |                   |        |                     |               |
| 01-17-57       | 1251676 3699083                    | 15  | NON-AI DAUGHTERS | 17                | 12,821 | 3.6                 | 465           |
|                | LISTED, 03-64                      | 15  | WITH HERD-MATES  | 17                | 12,821 | 3.6                 | 465           |
| STATES-        | 35                                 |     |                  |                   |        | 6                   | 13,435        |
|                |                                    |     |                  |                   |        | DIFF.               | 614-          |
|                |                                    |     |                  |                   |        |                     | 464           |
|                |                                    |     |                  |                   |        |                     | 1             |
| 1297508        | ELMOKA 8EN HOMESTEAD.....          |     |                  |                   |        |                     |               |
| 02-13-57       | 1175561 3762751                    | 10  | NON-AI DAUGHTERS | 10                | 12,927 | 3.8                 | 485           |
|                | LISTED, 03-64                      | 9   | WITH HERD-MATES  | 9                 | 12,949 | 3.7                 | 474           |
| STATES-        | 35,43                              |     |                  |                   |        | 31                  | 12,643        |
|                |                                    |     |                  |                   |        | DIFF.               | 306           |
|                |                                    |     |                  |                   |        |                     | 444           |
|                |                                    |     |                  |                   |        |                     | 30            |
| 1297542        | RAG APPLE COMET PA8ST.....         |     |                  |                   |        |                     |               |
| 07-04-56       | 1024453 3600056                    | 24  | NON-AI DAUGHTERS | 38                | 13,702 | 3.8                 | 521           |
|                | LISTED, 08-63                      | 24  | WITH HERD-MATES  | 38                | 13,702 | 3.8                 | 521           |
| STATES-        | 33                                 |     |                  |                   |        | 23                  | 12,672        |
|                |                                    |     |                  |                   |        | DIFF.               | 1030          |
|                |                                    |     |                  |                   |        |                     | 471           |
|                |                                    |     |                  |                   |        |                     | 50            |
| 1297547        | CARNATION BUTTER 80Y LADDIE.....   |     |                  |                   |        |                     |               |
| 01-31-57       | 1152252 2638045                    | 148 | AI DAUGHTERS-25* | 189               | 12,929 | 3.6                 | 459           |
| AI STUO, 35-02 | LISTED, 03-64                      | 148 | WITH HERD-MATES  | 189               | 12,929 | 3.6                 | 459           |
| STATES-        | 22,34,35                           |     |                  |                   |        | 17                  | 13,398        |
|                |                                    |     |                  |                   |        | DIFF.               | 469-          |
|                |                                    |     |                  |                   |        |                     | 488           |
|                |                                    |     |                  |                   |        |                     | 12,125        |
|                |                                    |     |                  |                   |        |                     | 431           |
|                |                                    |     |                  |                   |        |                     | 29-           |
| 1297551        | GLENAFTON SUPER8.....              |     |                  |                   |        |                     |               |
| 09-11-56       | 010239301 010722205                | 19  | NON-AI DAUGHTERS | 28                | 12,791 | 3.5                 | 449           |
|                | LISTED, 08-63                      | 19  | WITH HERD-MATES  | 28                | 12,791 | 3.5                 | 449           |
| STATES-        | 34                                 |     |                  |                   |        | 17                  | 14,168        |
|                |                                    |     |                  |                   |        | DIFF.               | 1377-         |
|                |                                    |     |                  |                   |        |                     | 522           |
|                |                                    |     |                  |                   |        |                     | 73-           |
| 1297577        | HOMEHURST GALAXY LEADER.....       |     |                  |                   |        |                     |               |
| 02-19-57       | 915940 3235197                     | 29  | NON-AI DAUGHTERS | 30                | 11,965 | 3.8                 | 456           |
|                | LISTED, 03-64                      | 29  | WITH HERD-MATES  | 30                | 11,965 | 3.8                 | 456           |
| STATES-        | 23                                 |     |                  |                   |        | 13                  | 13,063        |
|                |                                    |     |                  |                   |        | DIFF.               | 1098-         |
|                |                                    |     |                  |                   |        |                     | 517           |
|                |                                    |     |                  |                   |        |                     | 61-           |
| 1297608        | .....                              |     |                  |                   |        |                     |               |
|                |                                    | 7   | NON-AI DAUGHTERS | 8                 | 16,226 | 3.6                 | 591           |
| STATES-        | 31                                 | 7   | WITH HERD-MATES  | 8                 | 16,226 | 3.6                 | 591           |
|                |                                    |     |                  |                   |        | 17                  | 15,819        |
|                |                                    |     |                  |                   |        | DIFF.               | 407           |
|                |                                    |     |                  |                   |        |                     | 572           |
|                |                                    |     |                  |                   |        |                     | 19            |
| 1297764        | ED-RUS IDEAL CYCLONE.....          |     |                  |                   |        |                     |               |
| 04-09-56       | 885830 3433935                     | 5   | NON-AI DAUGHTERS | 11                | 13,807 | 3.4                 | 474           |
|                | LISTED, 05-64                      | 5   | WITH HERD-MATES  | 11                | 13,807 | 3.4                 | 474           |
| STATES-        | 35                                 |     |                  |                   |        | 14                  | 12,468        |
|                |                                    |     |                  |                   |        | DIFF.               | 1339          |
|                |                                    |     |                  |                   |        |                     | 450           |
|                |                                    |     |                  |                   |        |                     | 24            |
| 1297795        | WORCHESTER COLANTHA PA8ST.....     |     |                  |                   |        |                     |               |
| 02-24-57       | 1024453 3615681                    | 21  | NON-AI DAUGHTERS | 31                | 12,647 | 3.8                 | 481           |
|                |                                    | 21  | WITH HERD-MATES  | 31                | 12,647 | 3.8                 | 481           |
| STATES-        | 14                                 |     |                  |                   |        | 26                  | 12,809        |
|                |                                    |     |                  |                   |        | DIFF.               | 162-          |
|                |                                    |     |                  |                   |        |                     | 470           |
|                |                                    |     |                  |                   |        |                     | 11            |
| 1297841        | 8. D. I. IMPBURGOV ADAM.....       |     |                  |                   |        |                     |               |
| 12-26-56       | 956081 3865937                     | 11  | NON-AI DAUGHTERS | 17                | 14,053 | 3.8                 | 536           |
|                |                                    | 11  | WITH HERD-MATES  | 17                | 14,053 | 3.8                 | 536           |
| STATES-        | 52                                 |     |                  |                   |        | 21                  | 15,096        |
|                |                                    |     |                  |                   |        | DIFF.               | 1043-         |
|                |                                    |     |                  |                   |        |                     | 537           |
|                |                                    |     |                  |                   |        |                     | 1-            |
| 1297896        | JIM YUCCA LAMAGA KAR.....          |     |                  |                   |        |                     |               |
| 01-19-57       | 895422 3081518                     | 12  | NON-AI DAUGHTERS | 13                | 14,608 | 3.5                 | 505           |
|                | LISTED, 03-64                      | 12  | WITH HERD-MATES  | 13                | 14,608 | 3.5                 | 505           |
| STATES-        | 21                                 |     |                  |                   |        | 33                  | 14,515        |
|                |                                    |     |                  |                   |        | DIFF.               | 93            |
|                |                                    |     |                  |                   |        |                     | 517           |
|                |                                    |     |                  |                   |        |                     | 12-           |
| 1297920        | ELM RIDGE SIR TREASURE MODEL.....  |     |                  |                   |        |                     |               |
| 10-01-56       | 1222048 2896976                    | 12  | NON-AI DAUGHTERS | 16                | 12,654 | 4.0                 | 512           |
|                | LISTED, 11-63                      | 12  | WITH HERD-MATES  | 16                | 12,654 | 4.0                 | 512           |
| STATES-        | 35,41,46                           |     |                  |                   |        | 16                  | 13,292        |
|                |                                    |     |                  |                   |        | DIFF.               | 638-          |
|                |                                    |     |                  |                   |        |                     | 513           |
|                |                                    |     |                  |                   |        |                     | 1-            |
| 1298076        | .....                              |     |                  |                   |        |                     |               |
|                |                                    | 12  | NON-AI DAUGHTERS | 13                | 9,692  | 3.9                 | 380           |
| STATES-        | 51,54                              | 12  | WITH HERD-MATES  | 13                | 9,692  | 3.9                 | 380           |
|                |                                    |     |                  |                   |        | 15                  | 10,627        |
|                |                                    |     |                  |                   |        | DIFF.               | 935-          |
|                |                                    |     |                  |                   |        |                     | 393           |
|                |                                    |     |                  |                   |        |                     | 13-           |
| 1298105        | COLANTHA CANOY DEEN PRINCE.....    |     |                  |                   |        |                     |               |
| 02-12-57       | 1081270 3435609                    | 10  | NON-AI DAUGHTERS | 11                | 14,671 | 3.4                 | 504           |
|                | LISTED, 11-63                      | 10  | WITH HERD-MATES  | 11                | 14,671 | 3.4                 | 504           |
| STATES-        | 23                                 |     |                  |                   |        | 19                  | 15,776        |
|                |                                    |     |                  |                   |        | DIFF.               | 1105-         |
|                |                                    |     |                  |                   |        |                     | 560           |
|                |                                    |     |                  |                   |        |                     | 56-           |
| 1298155        | .....                              |     |                  |                   |        |                     |               |
|                |                                    | 5   | NON-AI DAUGHTERS | 8                 | 11,072 | 3.7                 | 409           |
| STATES-        | 31                                 | 5   | WITH HERD-MATES  | 8                 | 11,072 | 3.7                 | 409           |
|                |                                    |     |                  |                   |        | 14                  | 13,781        |
|                |                                    |     |                  |                   |        | DIFF.               | 2709-         |
|                |                                    |     |                  |                   |        |                     | 486           |
|                |                                    |     |                  |                   |        |                     | 77-           |

## SIRE OF DHIA DAUGHTERS

| HDLSTEIN  |                    |  |  |  | AV. PRODUCTION OF DAU. |  | ADJ. HERD-MATES AV. |        | PREDICTED AV. |
|---|--------------------|--|--|--|------------------------|--|---------------------|--------|---------------|
|   |                    |  |  |  | RECORDS MILK TEST FAT  |  | AV. MILK FAT        |        | MILK FAT      |
|   |                    |  |  |  | NUMBER L8 % L8         |  | NUMBER L8 L8        |        | L8 L8         |
| 1298197 WILLMIL A. B. R. ROXANNA DUKE - TWIN.....   |                    |  |  |  |                        |  |                     |        |               |
| D9-14-56 108D99D 295D8D8 190 AI DAUGHTERS-25*   |                    |  |  |  | 284 14,365 3.6 520     |  |                     |        |               |
| AI STUD, 22-D3 LISTED, D5-64 189 WITH HERD-MATES  |                    |  |  |  | 282 14,379 3.6 521     |  | 29 13,455 501       | 13,432 | 479           |
| STATES- 21,22,23,51   |                    |  |  |  |                        |  | DIFF. 924 2D        |        |               |
|   | 4 NON-AI DAUGHTERS |  |  |  | 9 16,151 3.4 551       |  | 20 15,151 579       |        |               |
|   | 4 WITH HERD-MATES  |  |  |  | 9 16,151 3.4 551       |  | DIFF. 10DD 28-      |        |               |
| 12982D5 FREE8AER 8ONNIE 8AL8D.....  |                    |  |  |  |                        |  |                     |        |               |
| D4-D8-57 112D298 3114287 27 NON-AI DAUGHTERS  |                    |  |  |  | 38 11,404 3.6 409      |  |                     |        |               |
| L1STED, D3-64 27 WITH HERD-MATES  |                    |  |  |  | 38 11,404 3.6 409      |  | 11 13,307 467       |        |               |
| STATES- 21  |                    |  |  |  |                        |  | DIFF. 19D3- 58-     |        |               |
| 1298221 CAROLDAL MASTER JOSEPH.....   |                    |  |  |  |                        |  |                     |        |               |
| 11-D5-56 852147 2278247 22 NON-AI DAUGHTERS   |                    |  |  |  | 33 10,8D2 3.5 373      |  |                     |        |               |
| L1STED, D3-64 22 WITH HERD-MATES  |                    |  |  |  | 33 10,8D2 3.5 373      |  | 14 12,172 440       |        |               |
| STATES- 31  |                    |  |  |  |                        |  | DIFF. 137D- 67-     |        |               |
| 1298266 IDA-ROYAL HAZLEWOOD MAGICIAN.....   |                    |  |  |  |                        |  |                     |        |               |
| 12-D4-56 122397D 341392D 17 NON-AI DAUGHTERS  |                    |  |  |  | 24 15,367 3.7 574      |  |                     |        |               |
| AI STUD, 87-01 LISTED, D5-64 17 WITH HERD-MATES   |                    |  |  |  | 24 15,367 3.7 574      |  | 12 14,340 538       |        |               |
| STATES- 82  |                    |  |  |  |                        |  | DIFF. 1027 36       |        |               |
| 12983D3 CDCHHRAN GENERAL HERKIMER.....  |                    |  |  |  |                        |  |                     |        |               |
| 11-D9-56 12154D2 3916322 33 NON-AI DAUGHTERS  |                    |  |  |  | 60 13,455 3.5 468      |  |                     |        |               |
| L1STED, D8-63 33 WITH HERD-MATES  |                    |  |  |  | 6D 13,455 3.5 468      |  | 21 13,563 486       |        |               |
| STATES- 21  |                    |  |  |  |                        |  | DIFF. 108- 18-      |        |               |
| 129833D FLYNN FIELD HMSTD DYNA RDSE.....  |                    |  |  |  |                        |  |                     |        |               |
| 11-06-55 112669D 3372D15 17 NON-AI DAUGHTERS  |                    |  |  |  | 32 14,019 4.0 554      |  |                     |        |               |
| L1STED, D8-62 17 WITH HERD-MATES  |                    |  |  |  | 32 14,019 4.0 554      |  | 35 13,241 507       |        |               |
| STATES- 47  |                    |  |  |  |                        |  | DIFF. 778 47        |        |               |
| 1298378 SKOKIE DESIGN.....  |                    |  |  |  |                        |  |                     |        |               |
| 01-2D-57 12D2814 3758611 9 AI DAUGHTERS-09  |                    |  |  |  | 9 13,162 3.9 518       |  |                     |        |               |
| AI STUD, 33-D3 LISTED, D3-64 7 WITH HERD-MATES  |                    |  |  |  | 7 13,14D 3.9 508       |  | 5 12,521 457        | 12,696 | 473           |
| STATES- 11,21,23,31,33,34,35  |                    |  |  |  |                        |  | DIFF. 619 51        |        |               |
|   | 9 NON-AI DAUGHTERS |  |  |  | 1D 12,351 3.6 441      |  | 13 13,391 475       |        |               |
|   | 9 WITH HERD-MATES  |  |  |  | 1D 12,351 3.6 441      |  | DIFF. 104D- 34-     |        |               |
| 1298394 CULVER MAJOR LAD BILL.....  |                    |  |  |  |                        |  |                     |        |               |
| D2-22-57 1239479 39147D9 13 NON-AI DAUGHTERS  |                    |  |  |  | 18 12,231 3.7 455      |  |                     |        |               |
| L1STED, D8-63 13 WITH HERD-MATES  |                    |  |  |  | 18 12,231 3.7 455      |  | 27 11,726 404       |        |               |
| STATES- 31,32,58  |                    |  |  |  |                        |  | DIFF. 505 51        |        |               |
| 129843D WDDDBOURNE INKA REFLECTOR.....  |                    |  |  |  |                        |  |                     |        |               |
| D1-D4-57 DID198998 2734741 954 AI DAUGHTERS-25*   |                    |  |  |  | 1303 13,787 3.7 517    |  |                     |        |               |
| AI STUD, 23-D4 LISTED, D5-64 95D WITH HERD-MATES  |                    |  |  |  | 1289 13,796 3.7 517    |  | 2D 14,19D 529       | 12,253 | 450           |
| STATES- 12,13,14,15,16,21,22, 23,31,32,33,34,35,41,42,43,45, 46,48,51,52,54,55,56,58,61,74, 82,84,87,93 |                    |  |  |  |                        |  | DIFF. 394- 12-      |        |               |
| 12985D5 .....   |                    |  |  |  |                        |  |                     |        |               |
|   | 5 NON-AI DAUGHTERS |  |  |  | 6 12,281 4.1 5D3       |  |                     |        |               |
| STATES- 31  | 5 WITH HERD-MATES  |  |  |  | 6 12,281 4.1 5D3       |  | 15 12,655 48D       |        |               |
|   |                    |  |  |  |                        |  | DIFF. 374- 23       |        |               |
| 1298527 LONGSWAMP ADMIRAL LUKE.....   |                    |  |  |  |                        |  |                     |        |               |
| D5-17-56 115D277 323399D 16 NON-AI DAUGHTERS  |                    |  |  |  | 26 14,287 3.7 526      |  |                     |        |               |
| L1STED, D8-63 16 WITH HERD-MATES  |                    |  |  |  | 26 14,287 3.7 526      |  | 6 15,385 559        |        |               |
| STATES- 32  |                    |  |  |  |                        |  | DIFF. 1D98- 33-     |        |               |
| 1298535 .....   |                    |  |  |  |                        |  |                     |        |               |
|   | 6 NON-AI DAUGHTERS |  |  |  | 8 1D,798 3.6 392       |  |                     |        |               |
| STATES- 51  | 6 WITH HERD-MATES  |  |  |  | 8 1D,798 3.6 392       |  | 25 10,876 395       |        |               |
|   |                    |  |  |  |                        |  | DIFF. 78- 3-        |        |               |
| 129858D NYS WALLKILL IMPERIAL CORONA.....   |                    |  |  |  |                        |  |                     |        |               |
| D1-26-57 956D81 3D54462 7 NON-AI DAUGHTERS  |                    |  |  |  | 7 13,573 3.6 486       |  |                     |        |               |
| L1STED, D5-64 7 WITH HERD-MATES   |                    |  |  |  | 7 13,573 3.6 486       |  | 24 11,86D 409       |        |               |
| STATES- 21  |                    |  |  |  |                        |  | DIFF. 1713 77       |        |               |
| 1298596 .....   |                    |  |  |  |                        |  |                     |        |               |
|   | 5 NON-AI DAUGHTERS |  |  |  | 6 9,133 3.5 324        |  |                     |        |               |
| STATES- 21  | 5 WITH HERD-MATES  |  |  |  | 6 9,133 3.5 324        |  | 17 11,095 399       |        |               |
|   |                    |  |  |  |                        |  | DIFF. 1962- 75-     |        |               |
| 1298628 HEL-LO AL ORMSBY BURKE.....   |                    |  |  |  |                        |  |                     |        |               |
| 01-05-57 1246214 3478868 9 NON-AI DAUGHTERS   |                    |  |  |  | 9 14,129 3.8 531       |  |                     |        |               |
| L1STED, D5-64 9 WITH HERD-MATES   |                    |  |  |  | 9 14,129 3.8 531       |  | 8 15,232 58D        |        |               |
| STATES- 33  |                    |  |  |  |                        |  | DIFF. 1103- 49-     |        |               |
| 1298645 SRD CRESCENT DEAN.....  |                    |  |  |  |                        |  |                     |        |               |
| D3-24-57 1241349 3687173 17 NON-AI DAUGHTERS  |                    |  |  |  | 18 12,294 3.7 457      |  |                     |        |               |
| L1STED, D3-64 17 WITH HERD-MATES  |                    |  |  |  | 18 12,294 3.7 457      |  | 48 15,251 573       |        |               |
| STATES- 74  |                    |  |  |  |                        |  | DIFF. 2957- 116-    |        |               |
| 1298656 .....   |                    |  |  |  |                        |  |                     |        |               |
|   | 7 NON-AI DAUGHTERS |  |  |  | 7 11,994 3.4 411       |  |                     |        |               |
| STATES- 21  | 7 WITH HERD-MATES  |  |  |  | 7 11,994 3.4 411       |  | 25 12,855 458       |        |               |
|   |                    |  |  |  |                        |  | DIFF. 861- 47-      |        |               |
| 1298685 .....   |                    |  |  |  |                        |  |                     |        |               |
|   | 5 NON-AI DAUGHTERS |  |  |  | 6 13,572 3.6 486       |  |                     |        |               |
| STATES- 23,31   | 5 WITH HERD-MATES  |  |  |  | 6 13,572 3.6 486       |  | 7 11,762 431        |        |               |
|   |                    |  |  |  |                        |  | DIFF. 1810 55       |        |               |
| 1298686 .....   |                    |  |  |  |                        |  |                     |        |               |
|   | 6 NON-AI DAUGHTERS |  |  |  | 6 13,132 3.6 469       |  |                     |        |               |
| STATES- 32  | 6 WITH HERD-MATES  |  |  |  | 6 13,132 3.6 469       |  | 8 13,555 482        |        |               |
|   |                    |  |  |  |                        |  | DIFF. 423- 13-      |        |               |



| SIRES DF DHIA DAUGHTERS                      |         |                  |      | AV. PRDUCTION DF DAU. | ADJ. HERD-MATES | AV. PREDICTED |       |           |
|--|---------|------------------|------|-----------------------|-----------------|---------------|-------|-----------|
| HDLSTEIN                                     | RECDRDS | MILK             | TEST | FAT                   | AV. MILK        | FAT           | MILK  | FAT       |
|  | NUMBER  | L8               | %    | L8                    | NUMBER          | L8            | L8    | L8        |
| 1298699 .....                                |         |                  |      |                       |                 |               |       |           |
| STATES- 23                                   | 7       | NON-AI DAUGHTERS | 8    | 13,286                | 3.9             | 520           |       |           |
|  | 7       | WITH HERD-MATES  | 8    | 13,286                | 3.9             | 520           | 11    | 13,845    |
|  |         |                  |      |                       |                 |               | DIFF. | 559- 19   |
| 1298717 HURLWDD VEE MAN VICTOR.....          |         |                  |      |                       |                 |               |       |           |
| 06-09-56 1026115 3527192                     | 16      | NON-AI DAUGHTERS | 16   | 16,373                | 3.9             | 640           |       |           |
| STATES- 21                                   | 16      | WITH HERD-MATES  | 16   | 16,373                | 3.9             | 640           | 12    | 16,293    |
|  |         |                  |      |                       |                 |               | DIFF. | 80 38     |
| 1298724 LAVACRES DUSTY JD CANON.....         |         |                  |      |                       |                 |               |       |           |
| 02-26-57 1117035 233897                      | 19      | NON-AI DAUGHTERS | 25   | 12,868                | 3.6             | 467           |       |           |
| STATES- 86                                   | 19      | WITH HERD-MATES  | 25   | 12,868                | 3.6             | 467           | 57    | 12,483    |
|  |         |                  |      |                       |                 |               | DIFF. | 385 29    |
| 1298734 .....                                |         |                  |      |                       |                 |               |       |           |
| STATES- 31                                   | 5       | NDN-AI DAUGHTERS | 8    | 13,824                | 3.7             | 516           |       |           |
|  | 5       | WITH HERD-MATES  | 8    | 13,824                | 3.7             | 516           | 26    | 14,786    |
|  |         |                  |      |                       |                 |               | DIFF. | 962- 34-  |
| 1298780 FLYING CLOUD MASTER FERN.....        |         |                  |      |                       |                 |               |       |           |
| 04-21-57 1181068 3439816                     | 12      | NON-AI DAUGHTERS | 13   | 13,283                | 3.8             | 500           |       |           |
| STATES- 12,13                                | 12      | WITH HERD-MATES  | 13   | 13,283                | 3.8             | 500           | 17    | 15,082    |
|  |         |                  |      |                       |                 |               | DIFF. | 1799- 568 |
| 1298793 BURRILANE CARLDS PAT M.....          |         |                  |      |                       |                 |               |       |           |
| 08-29-56 1195667 3879372                     | 10      | NDN-AI DAUGHTERS | 13   | 17,411                | 3.9             | 676           |       |           |
| STATES- 82                                   | 10      | WITH HERD-MATES  | 13   | 17,411                | 3.9             | 676           | 5     | 16,503    |
|  |         |                  |      |                       |                 |               | DIFF. | 908 57    |
| 1298831 METCALFS SDVEREIGN REFLECTOR.....    |         |                  |      |                       |                 |               |       |           |
| 11-22-56 010198998 3994409                   | 18      | NDN-AI DAUGHTERS | 36   | 15,780                | 3.9             | 611           |       |           |
| AI STUD, 31-01 LISTED, 05-64                 | 18      | WITH HERD-MATES  | 35   | 15,842                | 3.9             | 614           | 12    | 15,056    |
| STATES- 13,23,31,35                          |         |                  |      |                       |                 |               | DIFF. | 786 8     |
| 1298841 .....                                |         |                  |      |                       |                 |               |       |           |
| STATES- 45                                   | 6       | NON-AI DAUGHTERS | 6    | 12,925                | 3.6             | 459           |       |           |
|  | 6       | WITH HERD-MATES  | 6    | 12,925                | 3.6             | 459           | 7     | 10,810    |
|  |         |                  |      |                       |                 |               | DIFF. | 2115 391  |
| 1298847 SHIAWANA BURKE HOMESTEAD.....        |         |                  |      |                       |                 |               |       |           |
| 05-06-57 1217476 3407116                     | 9       | NDN-AI DAUGHTERS | 12   | 14,118                | 3.5             | 501           |       |           |
| STATES- 34                                   | 9       | WITH HERD-MATES  | 12   | 14,118                | 3.5             | 501           | 8     | 13,042    |
|  |         |                  |      |                       |                 |               | DIFF. | 1076 455  |
| 1298858 TALLCDRN PA8ST LEADER.....           |         |                  |      |                       |                 |               |       |           |
| 01-04-56 915940 3308338                      | 120     | AI DAUGHTERS-25* | 140  | 13,020                | 3.7             | 486           |       |           |
| AI STUD, 35-04 LISTED, 05-64                 | 119     | WITH HERD-MATES  | 139  | 13,009                | 3.7             | 486           | 14    | 13,249    |
| STATES- 23,34,35,41,42,46,47,                |         |                  |      |                       |                 |               | DIFF. | 240- 480  |
| 51,55,61,73                                  | 9       | NON-AI DAUGHTERS | 16   | 13,376                | 3.7             | 501           |       |           |
|  | 9       | WITH HERD-MATES  | 16   | 13,376                | 3.7             | 501           | 15    | 13,125    |
|  |         |                  |      |                       |                 |               | DIFF. | 251 473   |
| 1298866 ROMED DRMSBY REMER DUKE.....         |         |                  |      |                       |                 |               |       |           |
| 12-02-56 1000390 2821440                     | 16      | NON-AI DAUGHTERS | 25   | 15,954                | 3.9             | 617           |       |           |
| AI STUD, 35-75 LISTED, 03-64                 | 16      | WITH HERD-MATES  | 25   | 15,954                | 3.9             | 617           | 23    | 15,207    |
| STATES- 21                                   |         |                  |      |                       |                 |               | DIFF. | 747 572   |
| 1298896 8LY FARM SENSATION KEVIN.....        |         |                  |      |                       |                 |               |       |           |
| 01-20-57 1007194 3490276                     | 12      | NDN-AI DAUGHTERS | 13   | 11,007                | 3.6             | 394           |       |           |
| STATES- 21                                   | 12      | WITH HERD-MATES  | 13   | 11,007                | 3.6             | 394           | 27    | 12,388    |
|  |         |                  |      |                       |                 |               | DIFF. | 1381- 424 |
| 1298970 IKE YDRK FARMS BUTTER BOY.....       |         |                  |      |                       |                 |               |       |           |
| 11-07-56 1152252 3874327                     | 8       | NDN-AI DAUGHTERS | 12   | 12,959                | 3.4             | 447           |       |           |
| STATES- 91                                   | 8       | WITH HERD-MATES  | 12   | 12,959                | 3.4             | 447           | 15    | 13,594    |
|  |         |                  |      |                       |                 |               | DIFF. | 635- 494  |
| 1298977 RICHILLE SIR RDBURKE REPRINT.....    |         |                  |      |                       |                 |               |       |           |
| 03-18-57 1024453 2787516                     | 15      | NON-AI DAUGHTERS | 26   | 14,970                | 3.6             | 536           |       |           |
| STATES- 31                                   | 15      | WITH HERD-MATES  | 26   | 14,970                | 3.6             | 536           | 13    | 14,701    |
|  |         |                  |      |                       |                 |               | DIFF. | 269 532   |
| 1299019 PERIDA SDUVENIR MARKSMAN.....        |         |                  |      |                       |                 |               |       |           |
| 02-26-57 1236101 3889598                     | 17      | NON-AI DAUGHTERS | 19   | 12,607                | 3.8             | 476           |       |           |
| STATES- 23                                   | 17      | WITH HERD-MATES  | 19   | 12,607                | 3.8             | 476           | 19    | 12,713    |
|  |         |                  |      |                       |                 |               | DIFF. | 106- 453  |
| 1299241 WETDNA A. B. C. JUNIOR CLDYDALE..... |         |                  |      |                       |                 |               |       |           |
| 11-04-56 010198998 2734739                   | 38      | NDN-AI DAUGHTERS | 63   | 14,134                | 3.7             | 529           |       |           |
| AI STUD, 31-02 LISTED, 01-63                 | 38      | WITH HERD-MATES  | 62   | 14,120                | 3.7             | 529           | 18    | 14,495    |
| STATES- 12,13,21,23                          |         |                  |      |                       |                 |               | DIFF. | 375- 542  |
| 1299262 MDNTELLS FOLDS BOLD COUNT.....       |         |                  |      |                       |                 |               |       |           |
| 02-02-57 1098427 3478051                     | 8       | NON-AI DAUGHTERS | 11   | 15,946                | 3.7             | 596           |       |           |
| STATES- 34                                   | 8       | WITH HERD-MATES  | 11   | 15,946                | 3.7             | 596           | 13    | 14,664    |
|  |         |                  |      |                       |                 |               | DIFF. | 1282 540  |
| 1299317 DINGLEY DELL RAVEN CDMET.....        |         |                  |      |                       |                 |               |       |           |
| 07-20-56 1228346 3889645                     | 12      | NDN-AI DAUGHTERS | 18   | 15,152                | 3.6             | 546           |       |           |
| STATES- 41                                   | 12      | WITH HERD-MATES  | 18   | 15,152                | 3.6             | 546           | 14    | 13,444    |
|  |         |                  |      |                       |                 |               | DIFF. | 1708 471  |
| 1299330 .....                                |         |                  |      |                       |                 |               |       |           |
| STATES- 35                                   | 5       | NDN-AI DAUGHTERS | 5    | 12,186                | 3.3             | 407           |       |           |
|  | 5       | WITH HERD-MATES  | 5    | 12,186                | 3.3             | 407           | 10    | 12,976    |
|  |         |                  |      |                       |                 |               | DIFF. | 790- 459  |
| 1299388 .....                                |         |                  |      |                       |                 |               |       |           |
| STATES- 21,23                                | 10      | NDN-AI DAUGHTERS | 11   | 14,016                | 3.6             | 501           |       |           |
|  | 10      | WITH HERD-MATES  | 11   | 14,016                | 3.6             | 501           | 9     | 14,164    |
|  |         |                  |      |                       |                 |               | DIFF. | 148- 521  |

## SIRE OF DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF |        |      |     | AOJ. HERD-MATES AV. PREDICTED AV. |        |      |        |     |  |
|--|-------------------|--------|------|-----|-----------------------------------|--------|------|--------|-----|--|
|  | RECORDS           | MILK   | TEST | FAT | AV.                               | MILK   | FAT  | MILK   | FAT |  |
|  | NUMBER            | LB     | %    | LB  | NUMBER                            | LB     | LB   | LB     | LB  |  |
| 1299390 HDNEY HDME BLACK OAK.....                |                   |        |      |     |                                   |        |      |        |     |  |
| 02-01-56 1204749 3471991 33 NON-AI DAUGHTERS     | 64                | 10,700 | 3.8  | 402 |                                   |        |      |        |     |  |
| LISTED, 01-63 33 WITH HERD-MATES                 | 64                | 10,700 | 3.8  | 402 | 14                                | 11,975 | 439  |        |     |  |
| STATES- 35                                       |                   |        |      |     | DIFF.                             | 1275-  | 37-  |        |     |  |
| 1299440 RIVER VALLEY WALLIE OORIAN.....          |                   |        |      |     |                                   |        |      |        |     |  |
| 10-19-56 1190632 3284279 19 NON-AI DAUGHTERS     | 31                | 15,491 | 3.6  | 555 |                                   |        |      |        |     |  |
| LISTED, 08-63 19 WITH HERD-MATES                 | 30                | 15,486 | 3.6  | 555 | 23                                | 14,978 | 579  |        |     |  |
| STATES- 21                                       |                   |        |      |     | DIFF.                             | 508    | 24-  |        |     |  |
| 1299491 .....                                    |                   |        |      |     |                                   |        |      |        |     |  |
| STATES- 21,23 5 NON-AI DAUGHTERS                 | 7                 | 14,713 | 3.6  | 525 |                                   |        |      |        |     |  |
| 5 WITH HERD-MATES                                | 7                 | 14,713 | 3.6  | 525 | 11                                | 13,433 | 494  |        |     |  |
|  |                   |        |      |     | DIFF.                             | 1280   | 31   |        |     |  |
| 1299527 .....                                    |                   |        |      |     |                                   |        |      |        |     |  |
| STATES- 32,65 5 NON-AI DAUGHTERS                 | 10                | 12,094 | 3.9  | 477 |                                   |        |      |        |     |  |
| 5 WITH HERD-MATES                                | 10                | 12,094 | 3.9  | 477 | 20                                | 12,297 | 455  |        |     |  |
|  |                   |        |      |     | DIFF.                             | 203-   | 22   |        |     |  |
| 1299581 F08ES PE88LE BEACH MONTVIC.....          |                   |        |      |     |                                   |        |      |        |     |  |
| 08-02-56 837025 3501686 8 NON-AI DAUGHTERS       | 13                | 14,650 | 3.9  | 572 |                                   |        |      |        |     |  |
| LISTED, 11-63 8 WITH HERD-MATES                  | 13                | 14,650 | 3.9  | 572 | 10                                | 15,427 | 577  |        |     |  |
| STATES- 21,23                                    |                   |        |      |     | DIFF.                             | 777-   | 5-   |        |     |  |
| 1299588 .....                                    |                   |        |      |     |                                   |        |      |        |     |  |
| STATES- 21 5 NON-AI DAUGHTERS                    | 6                 | 10,991 | 3.9  | 426 |                                   |        |      |        |     |  |
| 4 WITH HERD-MATES                                | 5                 | 10,939 | 3.9  | 426 | 20                                | 12,979 | 473  |        |     |  |
|  |                   |        |      |     | DIFF.                             | 2040-  | 47-  |        |     |  |
| 1299659 LAWCREST ROBURKE RAG APPLE.....          |                   |        |      |     |                                   |        |      |        |     |  |
| 12-10-56 1024453 3472985 11 NON-AI DAUGHTERS     | 11                | 13,992 | 3.4  | 477 |                                   |        |      |        |     |  |
| LISTED, 03-64 11 WITH HERD-MATES                 | 11                | 13,992 | 3.4  | 477 | 18                                | 14,169 | 509  |        |     |  |
| STATES- 21                                       |                   |        |      |     | DIFF.                             | 177-   | 32-  |        |     |  |
| 1299719 .....                                    |                   |        |      |     |                                   |        |      |        |     |  |
| STATES- 21 5 NON-AI DAUGHTERS                    | 5                 | 11,990 | 3.7  | 443 |                                   |        |      |        |     |  |
| 5 WITH HERD-MATES                                | 5                 | 11,990 | 3.7  | 443 | 33                                | 11,608 | 422  |        |     |  |
|  |                   |        |      |     | DIFF.                             | 382    | 21   |        |     |  |
| 1299743 FAM-LEA REFLECTION MDEEST.....           |                   |        |      |     |                                   |        |      |        |     |  |
| 03-29-56 010198998 2604472 21 NON-AI DAUGHTERS   | 29                | 14,452 | 3.5  | 503 |                                   |        |      |        |     |  |
| LISTED, 08-63 21 WITH HERD-MATES                 | 29                | 14,452 | 3.5  | 503 | 23                                | 13,766 | 494  |        |     |  |
| STATES- 21,23                                    |                   |        |      |     | DIFF.                             | 686    | 9    |        |     |  |
| 1299801 .....                                    |                   |        |      |     |                                   |        |      |        |     |  |
| STATES- 12 5 NON-AI DAUGHTERS                    | 5                 | 13,620 | 4.0  | 542 |                                   |        |      |        |     |  |
| 5 WITH HERD-MATES                                | 5                 | 13,620 | 4.0  | 542 | 36                                | 16,090 | 645  |        |     |  |
|  |                   |        |      |     | DIFF.                             | 2470-  | 103- |        |     |  |
| 1299813 RAINBOW DX BOW 16TH.....                 |                   |        |      |     |                                   |        |      |        |     |  |
| 07-02-56 1175533 3513350 12 NON-AI DAUGHTERS     | 19                | 13,672 | 3.6  | 490 |                                   |        |      |        |     |  |
| LISTED, 01-63 12 WITH HERD-MATES                 | 19                | 13,672 | 3.6  | 490 | 10                                | 15,910 | 603  |        |     |  |
| STATES- 34                                       |                   |        |      |     | DIFF.                             | 2238-  | 113- |        |     |  |
| 1299884 HARDEN FARMS OUK RUBEN.....              |                   |        |      |     |                                   |        |      |        |     |  |
| 04-14-57 1112211 2756642 25 NON-AI DAUGHTERS     | 33                | 13,106 | 3.3  | 426 |                                   |        |      |        |     |  |
| LISTED, 03-64 25 WITH HERD-MATES                 | 33                | 13,106 | 3.3  | 426 | 20                                | 14,195 | 515  |        |     |  |
| STATES- 21                                       |                   |        |      |     | DIFF.                             | 1089-  | 89-  |        |     |  |
| 1300014 TIDY BURKE JERRY.....                    |                   |        |      |     |                                   |        |      |        |     |  |
| 01-21-57 1196645 3883576 592 AI DAUGHTERS-25*    | 988               | 14,214 | 3.6  | 515 |                                   |        |      |        |     |  |
| AI STUO, 23-05 LISTED, 05-64 589 WITH HERD-MATES | 978               | 14,227 | 3.6  | 515 | 14                                | 13,357 | 505  | 13,411 | 470 |  |
| STATES- 21,23,31,51,54,57                        |                   |        |      |     | DIFF.                             | 870    | 10   |        |     |  |
|  |                   |        |      |     |                                   |        |      |        |     |  |
| 1 NON-AI DAUGHTERS                               | 2                 | 11,135 | 3.5  | 387 |                                   |        |      |        |     |  |
| 1 WITH HERD-MATES                                | 2                 | 11,135 | 3.5  | 387 | 7                                 | 13,141 | 483  |        |     |  |
|  |                   |        |      |     | DIFF.                             | 2006-  | 96-  |        |     |  |
| 1300020 FERTILE MEADOWS AOA ROOE.....            |                   |        |      |     |                                   |        |      |        |     |  |
| 09-10-56 1217960 3467811 39 NON-AI DAUGHTERS     | 66                | 12,619 | 3.5  | 438 |                                   |        |      |        |     |  |
| LISTED, 08-63 38 WITH HERD-MATES                 | 65                | 12,585 | 3.5  | 438 | 11                                | 13,298 | 480  |        |     |  |
| STATES- 35                                       |                   |        |      |     | DIFF.                             | 713-   | 42-  |        |     |  |
| 1300045 CHERRYBOLD TRIUMPH BOY.....              |                   |        |      |     |                                   |        |      |        |     |  |
| 03-05-57 1248558 2862418 21 NON-AI DAUGHTERS     | 32                | 11,070 | 3.5  | 386 |                                   |        |      |        |     |  |
| LISTED, 01-63 18 WITH HERD-MATES                 | 29                | 11,481 | 3.5  | 401 | 8                                 | 11,939 | 405  |        |     |  |
| STATES- 35                                       |                   |        |      |     | DIFF.                             | 458-   | 4-   |        |     |  |
| 1300051 BRIGEEEN GDLOEN CROSS.....               |                   |        |      |     |                                   |        |      |        |     |  |
| 09-22-56 1170426 3344084 27 NON-AI DAUGHTERS     | 49                | 11,146 | 3.9  | 435 |                                   |        |      |        |     |  |
| LISTED, 01-63 27 WITH HERD-MATES                 | 49                | 11,146 | 3.9  | 435 | 12                                | 13,477 | 490  |        |     |  |
| STATES- 15                                       |                   |        |      |     | DIFF.                             | 2331-  | 55-  |        |     |  |
| 1300086 IONIA LASSIE MICHOME.....                |                   |        |      |     |                                   |        |      |        |     |  |
| 01-12-57 1221256 2604156 8 NON-AI DAUGHTERS      | 12                | 16,939 | 3.6  | 608 |                                   |        |      |        |     |  |
| LISTED, 03-64 8 WITH HERD-MATES                  | 12                | 16,939 | 3.6  | 608 | 16                                | 17,182 | 623  |        |     |  |
| STATES- 34                                       |                   |        |      |     | DIFF.                             | 243-   | 15-  |        |     |  |
| 1300091 HOWACRES HOMESTEAD FAYNE.....            |                   |        |      |     |                                   |        |      |        |     |  |
| 01-14-57 1038118 2652942 78 AI DAUGHTERS-25*     | 118               | 12,495 | 3.9  | 488 |                                   |        |      |        |     |  |
| AI STUO, 12-03 LISTED, 05-64 78 WITH HERD-MATES  | 117               | 12,501 | 3.9  | 488 | 21                                | 12,932 | 495  | 12,140 | 452 |  |
| STATES- 12,13,14                                 |                   |        |      |     | DIFF.                             | 431-   | 7-   |        |     |  |
| 1300196 POLANO AMBASSADOR KORNOYKE.....          |                   |        |      |     |                                   |        |      |        |     |  |
| 08-28-56 1082310 3128535 9 NON-AI DAUGHTERS      | 11                | 11,815 | 3.8  | 450 |                                   |        |      |        |     |  |
| LISTED, 11-63 9 WITH HERD-MATES                  | 11                | 11,815 | 3.8  | 450 | 23                                | 12,363 | 468  |        |     |  |
| STATES- 52                                       |                   |        |      |     | DIFF.                             | 548-   | 18-  |        |     |  |
| 1300197 POLANO ARTIS REGENT SKOKIE.....          |                   |        |      |     |                                   |        |      |        |     |  |
| 08-08-56 1126978 3217062 9 NON-AI DAUGHTERS      | 12                | 12,859 | 3.7  | 482 |                                   |        |      |        |     |  |
| LISTED, 11-63 9 WITH HERD-MATES                  | 12                | 12,859 | 3.7  | 482 | 23                                | 12,841 | 497  |        |     |  |
| STATES- 52                                       |                   |        |      |     | DIFF.                             | 18     | 15-  |        |     |  |





## SIREs OF OHIA DAUGHTERS

| HOLSTEIN                                   |                     |                   | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|--|---------------------|-------------------|------------------------|---------------------|-------------------|
|  |                     |                   | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT          |
|  |                     |                   | NUMBER L8 % L8         | NUMBER L8 L8        | L8 L8             |
| 1301326 .....                              |                     |                   |                        |                     |                   |
| STATES- 31                                 | 11 NON-AI DAUGHTERS | 12 17,218 3.5 602 |                        |                     |                   |
|  | 11 WITH HERD-MATES  | 12 17,218 3.5 602 |                        | 13 15,147 560       |                   |
|  |                     |                   |                        | DIFF. 2071 42       |                   |
| 1301342 .....                              |                     |                   |                        |                     |                   |
| STATES- 16                                 | 8 NON-AI DAUGHTERS  | 8 14,856 3.9 575  |                        |                     |                   |
|  | 8 WITH HERD-MATES   | 8 14,856 3.9 575  |                        | 51 15,441 588       |                   |
|  |                     |                   |                        | DIFF. 585- 13-      |                   |
| 1301352 CEYDERMEAD REGAL MDNARCH.....      |                     |                   |                        |                     |                   |
| 02-21-57 1243471 2988301                   | 10 NON-AI DAUGHTERS | 11 11,759 3.6 428 |                        |                     |                   |
| LISTED, 03-64                              | 10 WITH HERD-MATES  | 11 11,759 3.6 428 |                        | 8 11,478 435        |                   |
| STATES- 21                                 |                     |                   |                        | DIFF. 281 7-        |                   |
| 1301375 .....                              |                     |                   |                        |                     |                   |
| STATES- 31                                 | 8 NON-AI DAUGHTERS  | 9 15,214 3.7 556  |                        |                     |                   |
|  | 8 WITH HERD-MATES   | 9 15,214 3.7 556  |                        | 13 14,296 513       |                   |
|  |                     |                   |                        | DIFF. 918 43        |                   |
| 1301462 CASH-MAR P CORINNE BENEFACTOR..... |                     |                   |                        |                     |                   |
| 11-07-56 1231051 3380050                   | 16 NON-AI DAUGHTERS | 20 13,335 3.6 479 |                        |                     |                   |
| LISTED, 08-63                              | 16 WITH HERD-MATES  | 20 13,335 3.6 479 |                        | 28 14,579 548       |                   |
| STATES- 32,72                              |                     |                   |                        | DIFF. 1244- 69-     |                   |
| 1301486 MARDIC RDBURKE FDBES - TWIN.....   |                     |                   |                        |                     |                   |
| 12-01-56 1024453 3270593                   | 11 AI DAUGHTERS-11  | 11 11,578 3.4 397 |                        |                     |                   |
| AI STUD, 34-01 LISTED, 05-64               | 9 WITH HERD-MATES   | 9 12,276 3.4 416  |                        | 11 13,402 472       | 12,037 432        |
| STATES- 34                                 |                     |                   |                        | DIFF. 1126- 56-     |                   |
|  | 14 NON-AI DAUGHTERS | 19 14,461 3.7 539 |                        |                     |                   |
|  | 14 WITH HERD-MATES  | 19 14,461 3.7 539 |                        | 12 13,467 500       |                   |
|  |                     |                   |                        | DIFF. 994 39        |                   |
| 1301491 SPIES HDMESTAD BEETS GDVERNDR..... |                     |                   |                        |                     |                   |
| 02-13-57 1145163 2817784                   | 10 NON-AI DAUGHTERS | 11 14,415 3.8 546 |                        |                     |                   |
| LISTED, 11-63                              | 10 WITH HERD-MATES  | 11 14,415 3.8 546 |                        | 16 12,940 476       |                   |
| STATES- 42                                 |                     |                   |                        | DIFF. 1475 70       |                   |
| 1301578 .....                              |                     |                   |                        |                     |                   |
| STATES- 32,34                              | 5 NON-AI DAUGHTERS  | 6 12,332 3.7 460  |                        |                     |                   |
|  | 5 WITH HERD-MATES   | 6 12,332 3.7 460  |                        | 11 13,084 480       |                   |
|  |                     |                   |                        | DIFF. 752- 20-      |                   |
| 1301622 LDCHINVAR FORECASTER KING.....     |                     |                   |                        |                     |                   |
| 04-25-57 949139 2823510                    | 27 NON-AI DAUGHTERS | 38 11,114 4.2 465 |                        |                     |                   |
| LISTED, 03-64                              | 27 WITH HERD-MATES  | 38 11,114 4.2 465 |                        | 16 12,571 504       |                   |
| STATES- 23                                 |                     |                   |                        | DIFF. 1457- 39-     |                   |
| 1301736 BRAUNS SULTAN.....                 |                     |                   |                        |                     |                   |
| 10-08-56 915940 3038125                    | 8 NON-AI DAUGHTERS  | 11 14,202 3.4 487 |                        |                     |                   |
| LISTED, 11-63                              | 8 WITH HERD-MATES   | 11 14,202 3.4 487 |                        | 10 12,758 467       |                   |
| STATES- 31,34,35,47,61,84                  |                     |                   |                        | DIFF. 1444 20       |                   |
| 1301779 .....                              |                     |                   |                        |                     |                   |
| STATES- 31                                 | 5 NON-AI DAUGHTERS  | 7 12,025 3.5 419  |                        |                     |                   |
|  | 5 WITH HERD-MATES   | 7 12,025 3.5 419  |                        | 7 11,830 431        |                   |
|  |                     |                   |                        | DIFF. 195 12-       |                   |
| 1301852 HILLTOP PABST WALK ARNDLD.....     |                     |                   |                        |                     |                   |
| 10-06-56 1230109 3832098                   | 21 NON-AI DAUGHTERS | 40 13,851 3.5 479 |                        |                     |                   |
| LISTED, 08-63                              | 21 WITH HERD-MATES  | 40 13,851 3.5 479 |                        | 16 13,676 486       |                   |
| STATES- 48                                 |                     |                   |                        | DIFF. 175 7-        |                   |
| 1301858 CHALLENGER MARLYN SERGEANT.....    |                     |                   |                        |                     |                   |
| 10-13-56 1159255 2980864                   | 13 NON-AI DAUGHTERS | 14 13,525 3.7 496 |                        |                     |                   |
| AI STUD, 41-25 LISTED, 11-63               | 13 WITH HERD-MATES  | 14 13,525 3.7 496 |                        | 14 13,202 486       |                   |
| STATES- 41                                 |                     |                   |                        | DIFF. 323 10        |                   |
| 1301864 GRAY VIEW SKYLINER NAT.....        |                     |                   |                        |                     |                   |
| 12-12-56 1244845 3474313                   | 20 NON-AI DAUGHTERS | 27 17,245 4.1 703 |                        |                     |                   |
| AI STUD, 35-75 LISTED, 05-64               | 20 WITH HERD-MATES  | 27 17,245 4.1 703 |                        | 8 14,966 590        |                   |
| STATES- 43                                 |                     |                   |                        | DIFF. 2279 113      |                   |
| 1302013 HDWVALE CHIEFTAIN BYRON.....       |                     |                   |                        |                     |                   |
| 02-11-57 1243656 3174125                   | 30 NON-AI DAUGHTERS | 50 9,665 3.5 341  |                        |                     |                   |
| LISTED, 03-64                              | 30 WITH HERD-MATES  | 50 9,665 3.5 341  |                        | 15 10,643 358       |                   |
| STATES- 13                                 |                     |                   |                        | DIFF. 978- 17-      |                   |
| 1302052 HALLCREST FOLLDW DN LUCIFER.....   |                     |                   |                        |                     |                   |
| 04-21-57 1142734 3390308                   | 9 NON-AI DAUGHTERS  | 11 12,296 3.9 476 |                        |                     |                   |
| LISTED, 03-64                              | 8 WITH HERD-MATES   | 10 12,585 3.8 483 |                        | 17 12,643 471       |                   |
| STATES- 21                                 |                     |                   |                        | DIFF. 58- 12        |                   |
| 1302074 FUTURE HDPE BLACKY LEADER.....     |                     |                   |                        |                     |                   |
| 02-01-57 915940 3376283                    | 14 NON-AI DAUGHTERS | 22 12,550 3.5 439 |                        |                     |                   |
| LISTED, 08-63                              | 14 WITH HERD-MATES  | 22 12,550 3.5 439 |                        | 17 13,592 497       |                   |
| STATES- 21,35,74                           |                     |                   |                        | DIFF. 1042- 58-     |                   |
| 1302099 .....                              |                     |                   |                        |                     |                   |
| STATES- 13,21                              | 5 NON-AI DAUGHTERS  | 5 11,994 3.8 458  |                        |                     |                   |
|  | 5 WITH HERD-MATES   | 5 11,994 3.8 458  |                        | 26 13,939 505       |                   |
|  |                     |                   |                        | DIFF. 1945- 47-     |                   |
| 1302101 BRDAD RDCK D G TAB.....            |                     |                   |                        |                     |                   |
| 04-11-57 955493 3454758                    | 15 NON-AI DAUGHTERS | 20 13,363 3.7 492 |                        |                     |                   |
| LISTED, 11-63                              | 15 WITH HERD-MATES  | 20 13,363 3.7 492 |                        | 19 13,096 478       |                   |
| STATES- 21                                 |                     |                   |                        | DIFF. 267 14        |                   |
| 1302135 .....                              |                     |                   |                        |                     |                   |
| STATES- 32                                 | 5 NON-AI DAUGHTERS  | 7 14,517 3.8 548  |                        |                     |                   |
|  | 5 WITH HERD-MATES   | 7 14,517 3.8 548  |                        | 11 15,030 570       |                   |
|  |                     |                   |                        | DIFF. 513- 22-      |                   |

## SIRE OF DHIA DAUGHTERS

| HDLSTEIN  |     |                  |     |        | AV. RECORDS | PRODUCTION MILK LB | DF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|---|-----|------------------|-----|--------|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1302167 ANDREAS CREATION SUPREME.....           |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 02-24-57 1242222 3141826                        | 14  | NDN-AI DAUGHTERS | 16  | 15,003 | 3.6         | 539                |           |             |                 |                    |            |                   |            |
| LISTED, 05-64                                   | 13  | WITH HERD-MATES  | 15  | 15,338 | 3.5         | 538                |           |             |                 |                    |            |                   |            |
| STATES- 31                                      |     |                  |     |        |             |                    |           |             | 13              | 13,978             | 510        |                   |            |
|   |     |                  |     |        |             |                    |           |             | DIFF.           | 1360               | 28         |                   |            |
| 1302246 .....                                   | 6   | NDN-AI DAUGHTERS | 6   | 12,452 | 3.5         | 440                |           |             |                 |                    |            |                   |            |
| STATES- 35                                      | 6   | WITH HERD-MATES  | 6   | 12,452 | 3.5         | 440                |           |             | 8               | 12,670             | 463        |                   |            |
|   |     |                  |     |        |             |                    |           |             | DIFF.           | 218-               | 23-        |                   |            |
| 1302260 WILLDW FARM RAG APPLE GOLDEN.....       |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 06-15-57 1118413 2904983                        | 30  | AI DAUGHTERS-23  | 30  | 13,392 | 3.8         | 515                |           |             |                 |                    |            |                   |            |
| AI STUD, 11-01 LISTED, 03-64                    | 30  | WITH HERD-MATES  | 30  | 13,392 | 3.8         | 515                |           |             | 16              | 13,849             | 522        | 12,245            | 455        |
| STATES- 11,14                                   |     |                  |     |        |             |                    |           |             | DIFF.           | 457-               | 7-         |                   |            |
|   | 6   | NON-AI DAUGHTERS | 11  | 16,660 | 4.0         | 659                |           |             |                 |                    |            |                   |            |
|   | 6   | WITH HERD-MATES  | 11  | 16,660 | 4.0         | 659                |           |             | 8               | 15,603             | 613        |                   |            |
|   |     |                  |     |        |             |                    |           |             | DIFF.           | 1057               | 46         |                   |            |
| 1302265 KNOLLSIDE HDMESTEAD MIKE.....           |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 05-10-57 1260265 3659751                        | 12  | NON-AI DAUGHTERS | 12  | 13,982 | 3.5         | 492                |           |             |                 |                    |            |                   |            |
| LISTED, 03-64                                   | 12  | WITH HERD-MATES  | 12  | 13,982 | 3.5         | 492                |           |             | 9               | 12,794             | 469        |                   |            |
| STATES- 23,41                                   |     |                  |     |        |             |                    |           |             | DIFF.           | 1188               | 23         |                   |            |
| 1302319 .....                                   | 7   | NON-AI DAUGHTERS | 8   | 10,994 | 3.9         | 430                |           |             |                 |                    |            |                   |            |
| STATES- 32                                      | 7   | WITH HERD-MATES  | 8   | 10,994 | 3.9         | 430                |           |             | 25              | 12,153             | 472        |                   |            |
|   |     |                  |     |        |             |                    |           |             | DIFF.           | 1159-              | 42-        |                   |            |
| 1302321 CASH-MAR P CURRINE LAD.....             |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 05-29-57 1231051 3845648                        | 11  | NON-AI DAUGHTERS | 14  | 12,071 | 3.6         | 439                |           |             |                 |                    |            |                   |            |
| LISTED, 11-63                                   | 11  | WITH HERD-MATES  | 14  | 12,071 | 3.6         | 439                |           |             | 32              | 12,521             | 447        |                   |            |
| STATES- 52                                      |     |                  |     |        |             |                    |           |             | DIFF.           | 450-               | 8-         |                   |            |
| 1302331 SKOKIE GOOD GOVERNOR.....               |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 04-04-57 1199324 3373360                        | 5   | AI DAUGHTERS-02  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| AI STUD, 35-04 LISTED, 05-64                    | 4   | WITH HERD-MATES  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| STATES- 35,41,42,46,56                          |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
|   | 20  | NON-AI DAUGHTERS | 29  | 15,015 | 3.6         | 539                |           |             | 18              | 14,177             | 516        |                   |            |
|   | 20  | WITH HERD-MATES  | 29  | 15,015 | 3.6         | 539                |           |             | DIFF.           | 838                | 23         |                   |            |
| 1302422 CROCKER GOLDEN EMBLEM.....              |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 02-05-57 1079736 3512964                        | 43  | AI DAUGHTERS-25* | 50  | 14,375 | 3.7         | 531                |           |             |                 |                    |            |                   |            |
| AI STUD, 31-02 LISTED, 05-64                    | 42  | WITH HERD-MATES  | 49  | 14,442 | 3.7         | 534                |           |             | 26              | 13,567             | 489        | 13,229            | 492        |
| STATES- 21,31,56                                |     |                  |     |        |             |                    |           |             | DIFF.           | 875                | 45         |                   |            |
| 1302468 KINGSTEAD GOLDEN CHAMPION.....          |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 04-27-57 1024856 4085611                        | 9   | NDN-AI DAUGHTERS | 10  | 13,011 | 4.0         | 515                |           |             |                 |                    |            |                   |            |
| LISTED, 03-64                                   | 9   | WITH HERD-MATES  | 9   | 12,971 | 4.0         | 514                |           |             | 21              | 13,524             | 494        |                   |            |
| STATES- 21                                      |     |                  |     |        |             |                    |           |             | DIFF.           | 553-               | 20         |                   |            |
| 1302559 THONYMA LEADER - TWIN.....              |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 10-13-56 915940 3439974                         | 29  | AI DAUGHTERS-25  | 30  | 13,580 | 3.5         | 479                |           |             |                 |                    |            |                   |            |
| AI STUD, 48-01 LISTED, 03-64                    | 29  | WITH HERD-MATES  | 30  | 13,580 | 3.5         | 479                |           |             | 13              | 13,421             | 491        | 12,649            | 449        |
| STATES- 41,43,48,74                             |     |                  |     |        |             |                    |           |             | DIFF.           | 159                | 12-        |                   |            |
|   | 9   | NON-AI DAUGHTERS | 13  | 14,886 | 3.6         | 540                |           |             |                 |                    |            |                   |            |
|   | 9   | WITH HERD-MATES  | 13  | 14,886 | 3.6         | 540                |           |             | 16              | 13,540             | 503        |                   |            |
|   |     |                  |     |        |             |                    |           |             | DIFF.           | 1346               | 37         |                   |            |
| 1302586 SIR GREEN CREEK BLACK MAGIC - TWIN..... |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 09-01-54 010234589 3896099                      | 8   | NON-AI DAUGHTERS | 14  | 12,675 | 3.3         | 412                |           |             |                 |                    |            |                   |            |
| LISTED, 08-62                                   | 5   | WITH HERD-MATES  | 8   | 12,618 | 3.2         | 408                |           |             | 14              | 12,632             | 451        |                   |            |
| STATES- 52,55                                   |     |                  |     |        |             |                    |           |             | DIFF.           | 14-                | 43-        |                   |            |
| 1302587 RIOGELY FRANCDIS.....                   |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 03-26-57 1003076 2334619                        | 230 | AI DAUGHTERS-25* | 342 | 13,642 | 3.6         | 496                |           |             |                 |                    |            |                   |            |
| AI STUD, 23-07 LISTED, 03-64                    | 230 | WITH HERD-MATES  | 339 | 13,636 | 3.6         | 496                |           |             | 16              | 13,589             | 508        | 12,622            | 448        |
| STATES- 22,23,50                                |     |                  |     |        |             |                    |           |             | DIFF.           | 47                 | 12-        |                   |            |
| 1302610 IRVINGTON MAJOR DICTATOR.....           |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 02-14-57 1031307 3430597                        | 14  | NON-AI DAUGHTERS | 17  | 13,365 | 4.0         | 535                |           |             |                 |                    |            |                   |            |
| LISTED, 11-63                                   | 14  | WITH HERD-MATES  | 17  | 13,365 | 4.0         | 535                |           |             | 30              | 13,324             | 500        |                   |            |
| STATES- 51,55                                   |     |                  |     |        |             |                    |           |             | DIFF.           | 41                 | 35         |                   |            |
| 1302618 OAK GREEN RAVEN ALEXIS.....             |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 04-04-57 1214204 3388419                        | 13  | NDN-AI DAUGHTERS | 13  | 13,623 | 3.8         | 518                |           |             |                 |                    |            |                   |            |
| LISTED, 05-64                                   | 13  | WITH HERD-MATES  | 13  | 13,623 | 3.8         | 518                |           |             | 24              | 13,813             | 506        |                   |            |
| STATES- 52                                      |     |                  |     |        |             |                    |           |             | DIFF.           | 190-               | 12         |                   |            |
| 1302654 EAGLEGATE RAG APPLE CHIEFTAIN.....      |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 07-01-57 1004232 3723261                        | 14  | NDN-AI DAUGHTERS | 21  | 16,316 | 3.7         | 601                |           |             |                 |                    |            |                   |            |
| LISTED, 08-63                                   | 14  | WITH HERD-MATES  | 21  | 16,316 | 3.7         | 601                |           |             | 10              | 14,995             | 492        |                   |            |
| STATES- 42                                      |     |                  |     |        |             |                    |           |             | DIFF.           | 1321               | 109        |                   |            |
| 1302684 .....                                   | 5   | NON-AI DAUGHTERS | 6   | 13,110 | 3.9         | 512                |           |             |                 |                    |            |                   |            |
| STATES- 32                                      | 5   | WITH HERD-MATES  | 6   | 13,110 | 3.9         | 512                |           |             | 17              | 13,610             | 508        |                   |            |
|   |     |                  |     |        |             |                    |           |             | DIFF.           | 500-               | 4          |                   |            |
| 1302712 ROCKCREST LEADER ANDY -TWIN.....        |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 04-27-57 915940 2989610                         | 24  | AI DAUGHTERS-14  | 24  | 12,343 | 3.7         | 456                |           |             |                 |                    |            |                   |            |
| AI STUD, 42-02 LISTED, 05-64                    | 24  | WITH HERD-MATES  | 24  | 12,343 | 3.7         | 456                |           |             | 13              | 12,727             | 459        | 12,235            | 453        |
| STATES- 42,57,73                                |     |                  |     |        |             |                    |           |             | DIFF.           | 384-               | 3-         |                   |            |
|   | 13  | NON-AI DAUGHTERS | 22  | 13,693 | 3.6         | 491                |           |             |                 |                    |            |                   |            |
|   | 13  | WITH HERD-MATES  | 22  | 13,693 | 3.6         | 491                |           |             | 13              | 13,296             | 492        |                   |            |
|   |     |                  |     |        |             |                    |           |             | DIFF.           | 397                | 1-         |                   |            |
| 1302774 HAWKEYE WIS BURKE IDEAL.....            |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 01-01-57 1013415 2542139                        | 12  | NON-AI DAUGHTERS | 12  | 15,390 | 3.6         | 549                |           |             |                 |                    |            |                   |            |
| LISTED, 05-64                                   | 11  | WITH HERD-MATES  | 11  | 15,879 | 3.6         | 565                |           |             | 19              | 13,844             | 527        |                   |            |
| STATES- 46                                      |     |                  |     |        |             |                    |           |             | DIFF.           | 2035               | 38         |                   |            |
| 1302813 ELMER BRDDK HDMESTEAD COUNT.....        |     |                  |     |        |             |                    |           |             |                 |                    |            |                   |            |
| 01-09-57 1220074 3075602                        | 45  | AI DAUGHTERS-25* | 77  | 13,944 | 3.6         | 508                |           |             |                 |                    |            |                   |            |
| AI STUD, 35-06 LISTED, 01-63                    | 45  | WITH HERD-MATES  | 77  | 13,944 | 3.6         | 508                |           |             | 17              | 13,425             | 497        | 12,950            | 467        |
| STATES- 33,35                                   |     |                  |     |        |             |                    |           |             | DIFF.           | 519                | 11         |                   |            |

| SIRE OF DHIA DAUGHTERS                           |  |  |  | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERD-MATES |        | AV. PREDICTED AV. |        |     |
|--|--|--|--|------------------------|--------|------|-----|-----------------|--------|-------------------|--------|-----|
| HDLSTEIN   |  |  |  | RECORDS                | MILK   | TEST | FAT | AV.             | MILK   | FAT               | MILK   | FAT |
|  |  |  |  | NUMBER                 | LB     | %    | LB  | NUMBER          | LB     | LB                | LB     | LB  |
| 1302822 .....                                    |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| STATES- 45                                       |  |  |  | 7                      | 14,341 | 3.7  | 526 | 23              | 12,228 | 460               |        |     |
|  |  |  |  | 7                      | 14,341 | 3.7  | 526 | DIFF.           | 2113   | 66                |        |     |
| 1302852 MDNTELLS ONYX PARTHENEAE.....            |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| D3-16-57 1184653 2983809                         |  |  |  | 14                     | 11,999 | 3.8  | 453 | 10              | 13,264 | 499               |        |     |
| LISTED, 11-63                                    |  |  |  | 14                     | 11,999 | 3.8  | 453 | DIFF.           | 1265-  | 46-               |        |     |
| STATES- 14                                       |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 1302878 .....                                    |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| STATES- 31                                       |  |  |  | 5                      | 12,122 | 3.6  | 431 | 19              | 12,382 | 441               |        |     |
|  |  |  |  | 5                      | 12,122 | 3.6  | 431 | DIFF.           | 260-   | 10-               |        |     |
| 1303042 O A S GOMAR EDDIE.....                   |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| D1-10-57 1257394 4048652                         |  |  |  | 11                     | 12,602 | 3.8  | 476 | 5               | 12,863 | 473               |        |     |
| LISTED, 08-63                                    |  |  |  | 9                      | 12,264 | 3.7  | 457 | DIFF.           | 599-   | 16-               |        |     |
| STATES- 32                                       |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 1303077 DI88LE IDEAL DICTATOR.....               |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| D9-28-56 1014925 3971562                         |  |  |  | 19                     | 13,255 | 3.7  | 493 | 25              | 13,702 | 496               |        |     |
| AI STUD, 23-08 LISTED, 03-64                     |  |  |  | 19                     | 13,255 | 3.7  | 493 | DIFF.           | 447-   | 3-                |        |     |
| STATES- 42                                       |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 1303108 .....                                    |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| STATES- 32,65,86                                 |  |  |  | 7                      | 12,750 | 3.8  | 487 | 22              | 12,256 | 455               |        |     |
|  |  |  |  | 7                      | 12,750 | 3.8  | 487 | DIFF.           | 494    | 32                |        |     |
| 1303120 SARGES CAREY COMET PERFECTION.....       |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 08-28-56 1106455 3887548                         |  |  |  | 24                     | 12,526 | 3.8  | 470 | 28              | 13,382 | 483               |        |     |
| LISTED, 03-64                                    |  |  |  | 24                     | 12,526 | 3.8  | 470 | DIFF.           | 856-   | 13-               |        |     |
| STATES- 48                                       |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 1303127 GENESEE FARMS ROAMER OCAPOK.....         |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| D4-14-55 1176295 2605853                         |  |  |  | 8                      | 16,898 | 3.2  | 547 | 18              | 13,972 | 500               |        |     |
| LISTED, 08-62                                    |  |  |  | 8                      | 16,898 | 3.2  | 547 | DIFF.           | 2926   | 47                |        |     |
| STATES- 21                                       |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 1303145 TERRACE HEIGHTS ADMIRAL JULE - TWIN..... |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 09-03-56 1222191 3185722                         |  |  |  | 14                     | 9,972  | 3.5  | 347 | 9               | 10,566 | 362               |        |     |
| LISTED, 01-63                                    |  |  |  | 14                     | 9,972  | 3.5  | 347 | DIFF.           | 594-   | 15-               |        |     |
| STATES- 45                                       |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 1303159 BOWMONT GOVERNDR SILVIE WDSTER.....      |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 04-16-57 944516 3766117                          |  |  |  | 8                      | 6,612  | 4.3  | 284 | 12              | 9,256  | 352               |        |     |
| LISTED, 11-63                                    |  |  |  | 8                      | 6,612  | 4.3  | 284 | DIFF.           | 2644-  | 68-               |        |     |
| STATES- 52                                       |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 1303179 WIS IDEAL RANGER.....                    |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| D5-24-57 933122 3594880                          |  |  |  | 22                     | 14,397 | 3.5  | 508 | 24              | 14,971 | 524               |        |     |
| LISTED, 08-63                                    |  |  |  | 22                     | 14,402 | 3.5  | 508 | DIFF.           | 569-   | 16-               |        |     |
| STATES- 21                                       |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 1303181 WIS PROMOTER.....                        |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| D7-01-57 933122 2980141                          |  |  |  | 1                      |        |      |     |                 |        |                   |        |     |
| AI STUD, 63-03 LISTED, 05-64                     |  |  |  | 1                      |        |      |     |                 |        |                   |        |     |
| STATES- 35,61,63                                 |  |  |  |                        |        |      |     |                 |        |                   |        |     |
|  |  |  |  | 6                      | 12,993 | 3.6  | 468 | 30              | 13,240 | 460               |        |     |
|  |  |  |  | 6                      | 12,993 | 3.6  | 468 | DIFF.           | 247-   | 8                 |        |     |
| 1303185 APPALACHIAN LAUXMONT MODEL.....          |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| D5-25-57 1137421 3107429                         |  |  |  | 11                     | 14,128 | 3.7  | 517 | 23              | 12,697 | 472               |        |     |
| LISTED, 11-63                                    |  |  |  | 11                     | 14,128 | 3.7  | 517 | DIFF.           | 1431   | 45                |        |     |
| STATES- 55                                       |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 1303198 VIGO RO8URKE ELVIS.....                  |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| D7-02-56 1024453 3906910                         |  |  |  | 10                     | 16,465 | 3.5  | 575 | 22              | 16,365 | 598               |        |     |
| AI STUD, 35-75 LISTED, 05-64                     |  |  |  | 10                     | 16,465 | 3.5  | 575 | DIFF.           | 100    | 23-               |        |     |
| STATES- 35                                       |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 1303219 CANARY GLADALE LEGACY.....               |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| D7-02-53 D1021250D 010556804                     |  |  |  | 34                     | 13,916 | 3.6  | 495 | 23              | 14,155 | 512               |        |     |
| LISTED, 01-63                                    |  |  |  | 34                     | 13,916 | 3.6  | 495 | DIFF.           | 239-   | 17-               |        |     |
| STATES- 12,13                                    |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 1303266 .....                                    |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| STATES- 47                                       |  |  |  | 6                      | 12,024 | 3.8  | 452 | 11              | 11,070 | 414               |        |     |
|  |  |  |  | 6                      | 12,024 | 3.8  | 452 | DIFF.           | 954    | 38                |        |     |
| 1303274 SOUTHAMPTON DESIGN RD8INHDDO.....        |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| D6-21-55 1214569 3590431                         |  |  |  | 21                     | 10,051 | 3.7  | 375 | 13              | 10,957 | 407               |        |     |
| LISTED, 08-63                                    |  |  |  | 20                     | 10,038 | 3.7  | 371 | DIFF.           | 919-   | 36-               |        |     |
| STATES- 51                                       |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| 1303338 IMHI PERFECTO PANSY.....                 |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| D5-27-56 1212420 3050630                         |  |  |  | 24                     | 12,454 | 3.7  | 464 | 23              | 12,512 | 464               | 12,435 | 456 |
| AI STUD, 42-08 LISTED, 05-64                     |  |  |  | 24                     | 12,454 | 3.7  | 464 | DIFF.           | 58-    |                   |        |     |
| STATES- 42                                       |  |  |  |                        |        |      |     |                 |        |                   |        |     |
|  |  |  |  | 5                      | 9,551  | 3.8  | 360 | 37              | 10,945 | 393               |        |     |
|  |  |  |  | 5                      | 9,551  | 3.8  | 360 | DIFF.           | 1394-  | 33-               |        |     |
| 1303371 .....                                    |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| STATES- 32                                       |  |  |  | 19                     | 12,314 | 3.6  | 445 | 35              | 13,428 | 454               |        |     |
|  |  |  |  | 19                     | 12,314 | 3.6  | 445 | DIFF.           | 1114-  | 9-                |        |     |
| 1303434 ELKHART FOND PICA PRINCE.....            |  |  |  |                        |        |      |     |                 |        |                   |        |     |
| D7-14-57 1250992 2748774                         |  |  |  | 8                      | 12,433 | 3.8  | 472 | 10              | 13,022 | 477               | 12,257 | 454 |
| AI STUD, 35-03 LISTED, 05-64                     |  |  |  | 8                      | 12,433 | 3.8  | 472 | DIFF.           | 589-   | 5-                |        |     |
| STATES- 35                                       |  |  |  |                        |        |      |     |                 |        |                   |        |     |
|  |  |  |  | 3                      | 13,297 | 4.1  | 546 | 20              | 16,402 | 594               |        |     |
|  |  |  |  | 3                      | 13,297 | 4.1  | 546 | DIFF.           | 3105-  | 48-               |        |     |



## SIRE OF DHIA DAUGHTERS

| HDLSTEIN                                 |                      |     |        | AV. PRDUCTION DF DAU. | ADJ. HERD-MATES AV. |       | PREDICTED AV. |
|--|----------------------|-----|--------|-----------------------|---------------------|-------|---------------|
|  |                      |     |        | RECORDS MILK TEST FAT | AV. MILK FAT        |       | MILK FAT      |
|  |                      |     |        | NUMBER LB % LB        | NUMBER LB LB        |       | LB LB         |
| 1303442 .....                            |                      |     |        |                       |                     |       |               |
| STATES- 31                               | 12 NDN-AI DAUGHTERS  | 14  | 12,242 | 3.8                   | 460                 |       |               |
|  | 12 WITH HERD-MATES   | 14  | 12,242 | 3.8                   | 460                 | 12    | 12,808 490    |
|  |                      |     |        |                       |                     | DIFF. | 566- 30-      |
| 1303458 IVY 8DWER SOVEREIGN K.....       |                      |     |        |                       |                     |       |               |
| 01-21-57 1095002 3258544                 | 14 NDN-AI DAUGHTERS  | 16  | 14,228 | 3.8                   | 542                 |       |               |
| LISTED, 11-63                            | 9 WITH HERD-MATES    | 10  | 14,544 | 3.9                   | 560                 | 9     | 15,218 555    |
| STATES- 82                               |                      |     |        |                       |                     | DIFF. | 674- 5        |
| 1303502 WILLIARDS CANARY PRINCE.....     |                      |     |        |                       |                     |       |               |
| 06-28-56 1230780 2735318                 | 16 NDN-AI DAUGHTERS  | 31  | 19,009 | 3.6                   | 682                 |       |               |
| AI STUD, 35-75 LISTED, 08-63             | 16 WITH HERD-MATES   | 31  | 19,009 | 3.6                   | 682                 | 26    | 16,162 584    |
| STATES- 14,16,43                         |                      |     |        |                       |                     | DIFF. | 2847 98       |
| 1303520 S & W RAVEN DAISY 8DPPER.....    |                      |     |        |                       |                     |       |               |
| 08-16-56 1196256 3536734                 | 8 NDN-AI DAUGHTERS   | 13  | 13,836 | 3.5                   | 479                 |       |               |
| LISTED, 01-63                            | 8 WITH HERD-MATES    | 13  | 13,836 | 3.5                   | 479                 | 11    | 12,017 428    |
| STATES- 32                               |                      |     |        |                       |                     | DIFF. | 1819 51       |
| 1303528 CHEMUNG TDP 8ET.....             |                      |     |        |                       |                     |       |               |
| 12-16-56 1264035 3741060                 | 19 NDN-AI DAUGHTERS  | 25  | 14,764 | 3.4                   | 504                 |       |               |
| LISTED, 11-63                            | 19 WITH HERD-MATES   | 25  | 14,764 | 3.4                   | 504                 | 10    | 13,596 494    |
| STATES- 23                               |                      |     |        |                       |                     | DIFF. | 1168 10       |
| 1303535 HARDEN DUKE.....                 |                      |     |        |                       |                     |       |               |
| 05-19-57 1112211 3840028                 | 9 NDN-AI DAUGHTERS   | 15  | 12,444 | 3.7                   | 465                 |       |               |
| LISTED, 11-63                            | 7 WITH HERD-MATES    | 13  | 12,348 | 3.6                   | 446                 | 16    | 12,217 453    |
| STATES- 23,51                            |                      |     |        |                       |                     | DIFF. | 131 7-        |
| 1303695 .....                            |                      |     |        |                       |                     |       |               |
| STATES- 22                               | 6 NDN-AI DAUGHTERS   | 9   | 11,908 | 4.0                   | 473                 |       |               |
|  | 6 WITH HERD-MATES    | 9   | 11,908 | 4.0                   | 473                 | 9     | 13,429 522    |
|  |                      |     |        |                       |                     | DIFF. | 1521- 49-     |
| 1303704 .....                            |                      |     |        |                       |                     |       |               |
| STATES- 32                               | 8 NDN-AI DAUGHTERS   | 8   | 11,870 | 3.9                   | 465                 |       |               |
|  | 8 WITH HERD-MATES    | 8   | 11,870 | 3.9                   | 465                 | 11    | 14,144 555    |
|  |                      |     |        |                       |                     | DIFF. | 2274- 90-     |
| 1303769 LDU-IDA GRACIDUS DEAN.....       |                      |     |        |                       |                     |       |               |
| 03-06-57 976710 3345374                  | 5 NDN-AI DAUGHTERS   | 6   | 10,909 | 3.7                   | 409                 |       |               |
| LISTED, 05-64                            | 5 WITH HERD-MATES    | 6   | 10,909 | 3.7                   | 409                 | 24    | 12,698 474    |
| STATES- 31,55                            |                      |     |        |                       |                     | DIFF. | 1789- 65-     |
| 1303796 .....                            |                      |     |        |                       |                     |       |               |
| STATES- 35                               | 6 NDN-AI DAUGHTERS   | 9   | 12,016 | 3.8                   | 458                 |       |               |
|  | 6 WITH HERD-MATES    | 9   | 12,016 | 3.8                   | 458                 | 16    | 12,710 467    |
|  |                      |     |        |                       |                     | DIFF. | 694- 9-       |
| 1303809 .....                            |                      |     |        |                       |                     |       |               |
| STATES- 31                               | 8 NDN-AI DAUGHTERS   | 9   | 14,259 | 3.5                   | 501                 |       |               |
|  | 8 WITH HERD-MATES    | 9   | 14,259 | 3.5                   | 501                 | 10    | 15,077 534    |
|  |                      |     |        |                       |                     | DIFF. | 818- 33-      |
| 1303911 CREAFTLAND RE-ECHO MARKSMAN..... |                      |     |        |                       |                     |       |               |
| 10-10-55 010220877 010963430             | 28 NDN-AI DAUGHTERS  | 54  | 13,418 | 3.4                   | 458                 |       |               |
| LISTED, 08-63                            | 28 WITH HERD-MATES   | 53  | 13,422 | 3.4                   | 458                 | 18    | 12,180 426    |
| STATES- 31                               |                      |     |        |                       |                     | DIFF. | 1242 32       |
| 1303939 PECATDN JIM REGAL WALKER.....    |                      |     |        |                       |                     |       |               |
| 01-25-57 1211182 3374537                 | 16 NDN-AI DAUGHTERS  | 18  | 11,220 | 3.5                   | 393                 |       |               |
| LISTED, 03-64                            | 16 WITH HERD-MATES   | 18  | 11,220 | 3.5                   | 393                 | 15    | 11,754 418    |
| STATES- 35                               |                      |     |        |                       |                     | DIFF. | 534- 25-      |
| 1303977 S U F SIR DUTCH DRMSRAG LAD..... |                      |     |        |                       |                     |       |               |
| 02-23-57 865513 3000108                  | 30 AI DAUGHTERS-20   | 35  | 12,800 | 3.9                   | 495                 |       |               |
| AI STUD, 22-01 LISTED, 03-64             | 28 WITH HERD-MATES   | 33  | 13,173 | 3.9                   | 508                 | 22    | 13,553 510    |
| STATES- 21,22                            |                      |     |        |                       |                     | DIFF. | 380- 2-       |
| 1303992 NACHES CRESCENT ADMIRAL.....     |                      |     |        |                       |                     |       |               |
| 09-27-56 1198620 3557698                 | 12 NDN-AI DAUGHTERS  | 17  | 12,341 | 3.7                   | 461                 |       |               |
| LISTED, 11-63                            | 11 WITH HERD-MATES   | 15  | 12,506 | 3.8                   | 469                 | 15    | 13,033 465    |
| STATES- 91                               |                      |     |        |                       |                     | DIFF. | 527- 4        |
| 1304048 ALDERHURST DELLA LUCIFER.....    |                      |     |        |                       |                     |       |               |
| 04-04-57 769170 2242596                  | 190 AI DAUGHTERS-25* | 275 | 12,595 | 4.0                   | 509                 |       |               |
| AI STUD, 23-08 LISTED, 05-64             | 189 WITH HERD-MATES  | 273 | 12,602 | 4.0                   | 509                 | 21    | 13,585 520    |
| STATES- 21,23,31,32,33,50,51,            |                      |     |        |                       |                     | DIFF. | 983- 11-      |
| 52,57                                    | 1 NDN-AI DAUGHTERS   | 1   | 11,050 | 3.4                   | 377                 |       |               |
|  | 1 WITH HERD-MATES    | 1   | 11,050 | 3.4                   | 377                 | 21    | 11,214 380    |
|  |                      |     |        |                       |                     | DIFF. | 164- 3-       |
| 1304069 LDCHINVAR WILLARDSN SYLVIA.....  |                      |     |        |                       |                     |       |               |
| 04-20-56 1008622 3249125                 | 14 NDN-AI DAUGHTERS  | 31  | 11,043 | 3.8                   | 415                 |       |               |
| LISTED, 08-63                            | 14 WITH HERD-MATES   | 31  | 11,043 | 3.8                   | 415                 | 13    | 10,862 395    |
| STATES- 21                               |                      |     |        |                       |                     | DIFF. | 181 20        |
| 1304107 SANDSDALE SDV RD8EL.....         |                      |     |        |                       |                     |       |               |
| 02-02-57 1175467 3399239                 | 8 NDN-AI DAUGHTERS   | 10  | 10,786 | 4.0                   | 435                 |       |               |
| LISTED, 11-63                            | 8 WITH HERD-MATES    | 10  | 10,786 | 4.0                   | 435                 | 15    | 11,967 452    |
| STATES- 23                               |                      |     |        |                       |                     | DIFF. | 1181- 17-     |
| 1304130 UNIFORM RDYAL CHIEFTAIN.....     |                      |     |        |                       |                     |       |               |
| 03-28-57 1119514 3183043                 | 15 NDN-AI DAUGHTERS  | 21  | 15,167 | 3.5                   | 533                 |       |               |
| LISTED, 08-63                            | 15 WITH HERD-MATES   | 21  | 15,167 | 3.5                   | 533                 | 11    | 13,916 490    |
| STATES- 82                               |                      |     |        |                       |                     | DIFF. | 1251 43       |
| 1304143 MDSACKA DAUNTLESS ADMIRAL.....   |                      |     |        |                       |                     |       |               |
| 08-04-56 1192102 3385223                 | 12 NDN-AI DAUGHTERS  | 14  | 11,018 | 3.7                   | 410                 |       |               |
| LISTED, 11-63                            | 12 WITH HERD-MATES   | 14  | 11,018 | 3.7                   | 410                 | 12    | 13,341 485    |
| STATES- 22                               |                      |     |        |                       |                     | DIFF. | 2323- 75-     |

| SIRE OF DATA DAUGHTER                       |               |               |    |                 | AV. RECORDS | PRODUCTION OF |        |     | DAU. FAT | ADJ. AV. | HERO-MATES |     | AV. FAT | PREOICTED AV. |        |
|---|---------------|---------------|----|-----------------|-------------|---------------|--------|-----|----------|----------|------------|-----|---------|---------------|--------|
|   |               |               |    |                 | NUMBER      | MILK L8       | TEST % |     | L8       | NUMBER   | MILK L8    |     | L8      | MILK L8       | FAT L8 |
| 1304156 CASH-MAR OARKY WATERLOO.....        |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 09-30-56                                    | 1158687       | 3707895       | 17 | NON-AI OAGHTERS | 24          | 12,258        | 3.6    | 447 |          |          |            |     |         |               |        |
|   |               | LISTED, 05-64 | 17 | WITH HERD-MATES | 24          | 12,258        | 3.6    | 447 |          |          |            |     |         |               |        |
| STATES- 32                                  |               |               |    |                 |             |               |        |     |          | 21       | 12,789     | 487 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 531-       | 40- |         |               |        |
| 1304252 EAGLE VALLEY CARNATION VICTOR.....  |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 09-13-56                                    | 1214597       | 4102564       | 18 | NON-AI OAGHTERS | 26          | 14,214        | 3.5    | 497 |          |          |            |     |         |               |        |
|   |               | LISTED, 08-63 | 18 | WITH HERD-MATES | 26          | 14,214        | 3.5    | 497 |          |          |            |     |         |               |        |
| STATES- 21                                  |               |               |    |                 |             |               |        |     |          | 11       | 14,024     | 508 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 190        | 11- |         |               |        |
| 1304278 .....                               |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
|   |               |               | 5  | NON-AI OAGHTERS | 7           | 13,204        | 3.4    | 450 |          |          |            |     |         |               |        |
| STATES- 73                                  |               |               | 5  | WITH HERD-MATES | 7           | 13,204        | 3.4    | 450 |          |          |            |     |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | 11       | 12,335     | 430 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 869        | 20  |         |               |        |
| 1304303 WELCOME HOME PAORE SHIAWANA.....    |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 06-18-57                                    | 1040096       | 3871779       | 13 | NON-AI OAGSTERS | 17          | 15,672        | 3.5    | 549 |          |          |            |     |         |               |        |
|   |               | LISTED, 11-63 | 13 | WITH HERD-MATES | 17          | 15,672        | 3.5    | 549 |          |          |            |     |         |               |        |
| STATES- 91                                  |               |               |    |                 |             |               |        |     |          | 45       | 15,267     | 556 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 405        | 7-  |         |               |        |
| 1304379 STRICKLER MOEL PRINCE.....          |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 02-25-57                                    | 1232129       | 3503936       | 15 | AI OAGHTERS-10  | 18          | 12,531        | 3.5    | 443 |          |          |            |     |         |               |        |
| AI STUO, 65-02                              | LISTED, 05-64 |               | 15 | WITH HERD-MATES | 18          | 12,531        | 3.5    | 443 |          |          |            |     |         |               |        |
| STATES- 65                                  |               |               |    |                 |             |               |        |     |          | 10       | 12,698     | 454 |         | 12,392        | 449    |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 167-       | 11- |         |               |        |
| 1304384 GRAY VIEW CRYSTALIZER.....          |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 01-21-57                                    | 1244845       | 3882120       | 27 | NON-AI OAGHTERS | 38          | 14,069        | 3.8    | 540 |          |          |            |     |         |               |        |
| AI STUO, 41-25                              | LISTED, 03-64 |               | 27 | WITH HERD-MATES | 38          | 14,069        | 3.8    | 540 |          |          |            |     |         |               |        |
| STATES- 21,33,35,42,45,84                   |               |               |    |                 |             |               |        |     |          | 23       | 15,374     | 580 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 1305-      | 40- |         |               |        |
| 1304477 .....                               |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
|   |               |               | 5  | NON-AI OAGHTERS | 6           | 9,928         | 3.3    | 330 |          |          |            |     |         |               |        |
| STATES- 34,71                               |               |               | 5  | WITH HERD-MATES | 6           | 9,928         | 3.3    | 330 |          |          |            |     |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | 11       | 10,893     | 389 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 965-       | 59- |         |               |        |
| 1304515 8ETHESOA NOWISCO BURKE.....         |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 08-15-57                                    | 1133899       | 3558596       | 11 | NON-AI OAGHTERS | 15          | 14,619        | 3.4    | 498 |          |          |            |     |         |               |        |
|   |               | LISTED, 08-63 | 11 | WITH HERD-MATES | 15          | 14,619        | 3.4    | 498 |          |          |            |     |         |               |        |
| STATES- 23,34,35                            |               |               |    |                 |             |               |        |     |          | 18       | 14,574     | 513 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 45         | 15- |         |               |        |
| 1304533 FERNHAME BURKE LAD BARON.....       |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 01-24-57                                    | 1105403       | 3803697       | 14 | NON-AI OAGHTERS | 20          | 13,971        | 4.0    | 556 |          |          |            |     |         |               |        |
|   |               | LISTED, 11-63 | 14 | WITH HERD-MATES | 20          | 13,971        | 4.0    | 556 |          |          |            |     |         |               |        |
| STATES- 12,14,22                            |               |               |    |                 |             |               |        |     |          | 36       | 14,240     | 559 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 269-       | 3-  |         |               |        |
| 1304553 8OYS TOWN POLY MONTY.....           |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 10-15-56                                    | 1014754       | 2585084       | 6  | NON-AI OAGHTERS | 7           | 15,660        | 3.7    | 584 |          |          |            |     |         |               |        |
|   |               | LISTED, 05-64 | 6  | WITH HERD-MATES | 7           | 15,660        | 3.7    | 584 |          |          |            |     |         |               |        |
| STATES- 47                                  |               |               |    |                 |             |               |        |     |          | 36       | 13,649     | 509 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 2011       | 75  |         |               |        |
| 1304620 LOURDSE CARNATION DUNLOGGIN.....    |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 05-29-57                                    | 1209512       | 3674554       | 18 | NON-AI OAGHTERS | 31          | 12,372        | 3.6    | 446 |          |          |            |     |         |               |        |
|   |               | LISTED, 08-63 | 18 | WITH HERD-MATES | 31          | 12,372        | 3.6    | 446 |          |          |            |     |         |               |        |
| STATES- 35                                  |               |               |    |                 |             |               |        |     |          | 7        | 14,257     | 500 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 1885-      | 54- |         |               |        |
| 1304644 AOMIRAL CARNATION BURKE HARTOG..... |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 05-07-57                                    | 1037300       | 3864212       | 13 | NON-AI OAGHTERS | 16          | 12,418        | 3.8    | 476 |          |          |            |     |         |               |        |
|   |               | LISTED, 11-63 | 13 | WITH HERD-MATES | 16          | 12,418        | 3.8    | 476 |          |          |            |     |         |               |        |
| STATES- 52                                  |               |               |    |                 |             |               |        |     |          | 25       | 13,933     | 527 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 1515-      | 51- |         |               |        |
| 1304722 .....                               |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
|   |               |               | 6  | NON-AI OAGHTERS | 6           | 14,608        | 4.3    | 622 |          |          |            |     |         |               |        |
| STATES- 31                                  |               |               | 6  | WITH HERD-MATES | 6           | 14,608        | 4.3    | 622 |          |          |            |     |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | 1        | 14,016     | 513 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 592        | 109 |         |               |        |
| 1304727 STONEFIELD DESIGN SAM.....          |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 01-17-57                                    | 1111076       | 2405278       | 8  | NON-AI OAGHTERS | 10          | 14,087        | 3.6    | 510 |          |          |            |     |         |               |        |
|   |               | LISTED, 05-64 | 8  | WITH HERD-MATES | 10          | 14,087        | 3.6    | 510 |          |          |            |     |         |               |        |
| STATES- 21                                  |               |               |    |                 |             |               |        |     |          | 11       | 13,413     | 509 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 674        | 1   |         |               |        |
| 1304750 .....                               |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
|   |               |               | 5  | NON-AI OAGHTERS | 8           | 14,292        | 3.4    | 479 |          |          |            |     |         |               |        |
| STATES- 31                                  |               |               | 5  | WITH HERD-MATES | 8           | 14,292        | 3.4    | 479 |          |          |            |     |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | 12       | 13,770     | 481 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 522        | 2-  |         |               |        |
| 1304769 .....                               |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
|   |               |               | 5  | NON-AI OAGHTERS | 8           | 12,655        | 3.5    | 440 |          |          |            |     |         |               |        |
| STATES- 22,35                               |               |               | 5  | WITH HERD-MATES | 7           | 12,876        | 3.5    | 449 |          |          |            |     |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | 15       | 14,008     | 492 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 1132-      | 43- |         |               |        |
| 1304886 POESTENKILL RAG APPLE ORMSBY.....   |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 01-06-57                                    | 1024453       | 3043657       | 9  | NON-AI OAGHTERS | 16          | 15,342        | 3.8    | 582 |          |          |            |     |         |               |        |
|   |               | LISTED, 08-63 | 9  | WITH HERD-MATES | 16          | 15,342        | 3.8    | 582 |          |          |            |     |         |               |        |
| STATES- 21                                  |               |               |    |                 |             |               |        |     |          | 16       | 15,032     | 563 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 310        | 19  |         |               |        |
| 1304922 WOOSTERDALE ROBURKE RAG APPLE.....  |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 05-14-57                                    | 1024453       | 3969316       | 5  | NON-AI OAGHTERS | 8           | 12,436        | 3.7    | 456 |          |          |            |     |         |               |        |
|   |               | LISTED, 05-64 | 5  | WITH HERD-MATES | 8           | 12,436        | 3.7    | 456 |          |          |            |     |         |               |        |
| STATES- 21                                  |               |               |    |                 |             |               |        |     |          | 17       | 14,151     | 521 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 1715-      | 65- |         |               |        |
| 1304950 ISLAND FARM CRESEMBER SULTAN.....   |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 12-22-56                                    | 1024853       | 3707424       | 21 | NON-AI OAGSTERS | 27          | 11,924        | 3.6    | 431 |          |          |            |     |         |               |        |
|   |               | LISTED, 08-63 | 21 | WITH HERD-MATES | 27          | 11,924        | 3.6    | 431 |          |          |            |     |         |               |        |
| STATES- 22,23,51                            |               |               |    |                 |             |               |        |     |          | 16       | 13,356     | 495 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 1432-      | 64- |         |               |        |
| 1304970 CHERRYBOLD POSCH PRINCE MOOIE.....  |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
| 03-03-57                                    | 1197531       | 3062306       | 6  | NON-AI OAGHTERS | 6           | 10,390        | 3.4    | 358 |          |          |            |     |         |               |        |
| AI STUO, 35-01                              | LISTED, 05-64 |               | 6  | WITH HERD-MATES | 6           | 10,390        | 3.4    | 358 |          |          |            |     |         |               |        |
| STATES- 34                                  |               |               |    |                 |             |               |        |     |          | 13       | 11,650     | 402 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 1260-      | 44- |         |               |        |
| 1304992 .....                               |               |               |    |                 |             |               |        |     |          |          |            |     |         |               |        |
|   |               |               | 5  | NON-AI OAGHTERS | 5           | 15,646        | 3.7    | 578 |          |          |            |     |         |               |        |
| STATES- 83,87                               |               |               | 5  | WITH HERD-MATES | 5           | 15,646        | 3.7    | 578 |          |          |            |     |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | 2        | 14,668     | 549 |         |               |        |
|   |               |               |    |                 |             |               |        |     |          | OIFF.    | 978        | 29  |         |               |        |

| SIRE OF DAUGHTERS  |         |        |      |     | AV. PRODUCTION OF DAU. |     |   |     | AV. HERO-MATES AV. |        |     | PREDICTED AV. |     |
|--|---------|--------|------|-----|------------------------|-----|---|-----|--------------------|--------|-----|---------------|-----|
| HOLSTEIN   | RECORDS | MILK   | TEST | FAT | NUMBER                 | LBS | % | LBS | NUMBER             | MILK   | FAT | MILK          | FAT |
| 1305010 PRINCE CURTISS CANOY POSCH.....                                |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 10-28-56 1056882 3344053 18 NON-AI DAUGHTERS                           | 21      | 11,652 | 4.1  | 478 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 11-63 18 WITH HERD-MATES                                       | 21      | 11,652 | 4.1  | 478 |                        |     |   |     | 149                | 13,002 | 471 |               |     |
| STATES- 21   |         |        |      |     |                        |     |   |     | OIFF.              | 1350-  | 7   |               |     |
| 1305121 ONABANK REGAL MARSHALL.....                                    |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 10-01-56 1186897 3275774 11 NON-AI DAUGHTERS                           | 11      | 13,635 | 3.6  | 497 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 05-64 10 WITH HERD-MATES                                       | 10      | 13,656 | 3.7  | 504 |                        |     |   |     | 7                  | 13,349 | 475 |               |     |
| STATES- 48,73  |         |        |      |     |                        |     |   |     | OIFF.              | 307    | 29  |               |     |
| 1305201 SOUTHWIND JULE SUEZ.....                                       |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 11-30-56 1053084 3928533 18 NON-AI DAUGHTERS                           | 27      | 13,430 | 3.3  | 449 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 08-63 18 WITH HERD-MATES                                       | 27      | 13,430 | 3.3  | 449 |                        |     |   |     | 14                 | 12,617 | 424 |               |     |
| STATES- 35,74  |         |        |      |     |                        |     |   |     | OIFF.              | 813    | 25  |               |     |
| 1305211 KING PATTY NEPTUNE.....  |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 03-12-57 910991 4023679 14 NON-AI DAUGHTERS                            | 17      | 9,795  | 3.9  | 383 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 08-63 13 WITH HERD-MATES                                       | 16      | 9,734  | 3.9  | 382 |                        |     |   |     | 23                 | 11,188 | 400 |               |     |
| STATES- 42   |         |        |      |     |                        |     |   |     | OIFF.              | 1454-  | 18- |               |     |
| 1305228 SUNNYOECK SKYLARK BURKE MOORE.....                             |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 02-22-57 1243973 3673861 25 NON-AI DAUGHTERS                           | 31      | 16,138 | 3.7  | 594 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 11-63 25 WITH HERD-MATES                                       | 31      | 16,138 | 3.7  | 594 |                        |     |   |     | 41                 | 16,790 | 579 |               |     |
| STATES- 91   |         |        |      |     |                        |     |   |     | OIFF.              | 652-   | 15  |               |     |
| 1305266 FORESTHOLLO CAPTAIN DEAN.....                                  |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 12-26-56 1248687 3330845 18 NON-AI DAUGHTERS                           | 25      | 12,595 | 3.7  | 464 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 11-63 18 WITH HERD-MATES                                       | 25      | 12,595 | 3.7  | 464 |                        |     |   |     | 17                 | 12,332 | 443 |               |     |
| STATES- 35,72  |         |        |      |     |                        |     |   |     | OIFF.              | 263    | 21  |               |     |
| 1305277 FARMSTEAD DESIGNER ROCKY.....                                  |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 08-16-56 1225102 3711988 9 NON-AI DAUGHTERS                            | 12      | 15,369 | 3.6  | 551 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 11-63 9 WITH HERD-MATES  | 12      | 15,369 | 3.6  | 551 |                        |     |   |     | 9                  | 13,016 | 478 |               |     |
| STATES- 34   |         |        |      |     |                        |     |   |     | OIFF.              | 2353   | 73  |               |     |
| 1305285 INDIANA MOORE PROGRESSOR.....                                  |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 07-04-55 1206185 3498442 18 NON-AI DAUGHTERS                           | 22      | 12,228 | 3.2  | 396 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 08-63 18 WITH HERD-MATES                                       | 22      | 12,228 | 3.2  | 396 |                        |     |   |     | 13                 | 11,380 | 381 |               |     |
| STATES- 32   |         |        |      |     |                        |     |   |     | OIFF.              | 848    | 15  |               |     |
| 1305289 CLYDE HILL CORONA FAY.....                                     |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 07-15-57 1236901 3700351 27 NON-AI DAUGHTERS                           | 36      | 9,785  | 3.8  | 372 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 11-63 27 WITH HERD-MATES                                       | 36      | 9,785  | 3.8  | 372 |                        |     |   |     | 16                 | 9,608  | 332 |               |     |
| STATES- 42   |         |        |      |     |                        |     |   |     | OIFF.              | 177    | 40  |               |     |
| 1305432 VIGO LEADER ORMSBY.....  |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 12-09-56 915940 3494405 44 NON-AI DAUGHTERS                            | 60      | 14,722 | 3.4  | 507 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 03-64 44 WITH HERD-MATES                                       | 60      | 14,722 | 3.4  | 507 |                        |     |   |     | 42                 | 14,956 | 535 |               |     |
| STATES- 21,52  |         |        |      |     |                        |     |   |     | OIFF.              | 234-   | 28- |               |     |
| 1305443 CARNATION IDEAL TRAITION.....                                  |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 05-27-57 1175596 3769610 66 AI DAUGHTERS-25*                           | 94      | 13,008 | 3.6  | 469 |                        |     |   |     |                    |        |     |               |     |
| AI STUO, 35-05 LISTED, 05-64 65 WITH HERD-MATES                        | 93      | 13,076 | 3.6  | 471 |                        |     |   |     | 18                 | 12,933 | 472 | 12,630        | 456 |
| STATES- 33,35,71   |         |        |      |     |                        |     |   |     | OIFF.              | 143    | 1-  |               |     |
| 1305446 CARNATION FINAL STAR.....                                      |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 02-20-57 1265747 3994140 14 NON-AI DAUGHTERS                           | 15      | 12,382 | 3.6  | 445 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 11-63 14 WITH HERD-MATES                                       | 15      | 12,382 | 3.6  | 445 |                        |     |   |     | 24                 | 12,569 | 465 |               |     |
| STATES- 35,41  |         |        |      |     |                        |     |   |     | OIFF.              | 187-   | 20- |               |     |
| 1305449 CARNATION EMBLEM PATRIARCH.....                                |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 04-14-57 1237664 2398273 17 NON-AI DAUGHTERS                           | 21      | 16,610 | 3.5  | 578 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 11-63 17 WITH HERD-MATES                                       | 21      | 16,610 | 3.5  | 578 |                        |     |   |     | 8                  | 14,890 | 498 |               |     |
| STATES- 34   |         |        |      |     |                        |     |   |     | OIFF.              | 1720   | 80  |               |     |
| 1305453 CARNATION EMBLEM SUPERLATIVE.....                              |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 05-01-57 1237664 4051117 19 NON-AI DAUGHTERS                           | 25      | 14,770 | 3.5  | 511 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 11-63 19 WITH HERD-MATES                                       | 25      | 14,770 | 3.5  | 511 |                        |     |   |     | 14                 | 14,023 | 487 |               |     |
| STATES- 91,92  |         |        |      |     |                        |     |   |     | OIFF.              | 747    | 24  |               |     |
| 1305460 CARNATION ROYAL MASTER.....                                    |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 04-03-57 1152252 3232651 75 NON-AI DAUGHTERS                           | 92      | 14,684 | 3.6  | 527 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 03-64 75 WITH HERD-MATES                                       | 92      | 14,684 | 3.6  | 527 |                        |     |   |     | 18                 | 14,040 | 520 |               |     |
| STATES- 21,23,31,32,33,34,35,41,42,45,46,52,55,56,61,82,85,87,91,92,93 |         |        |      |     |                        |     |   |     | OIFF.              | 644    | 7   |               |     |
| 1305462 CARNATION PONTIAC PAL.....                                     |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 05-04-57 1152252 3577786 13 NON-AI DAUGHTERS                           | 17      | 12,688 | 3.7  | 470 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 11-63 12 WITH HERD-MATES                                       | 16      | 13,008 | 3.7  | 479 |                        |     |   |     | 7                  | 14,484 | 515 |               |     |
| STATES- 82,91  |         |        |      |     |                        |     |   |     | OIFF.              | 1476-  | 36- |               |     |
| 1305463 CARNATION BUTTER BOY NOBLE.....                                |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 06-09-57 1152252 4051121 11 NON-AI DAUGHTERS                           | 14      | 13,615 | 3.7  | 507 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 11-63 11 WITH HERD-MATES                                       | 14      | 13,615 | 3.7  | 507 |                        |     |   |     | 3                  | 12,256 | 463 |               |     |
| STATES- 32   |         |        |      |     |                        |     |   |     | OIFF.              | 1359   | 44  |               |     |
| 1305488 WOOD-JON SENSATION NORMAL.....                                 |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 12-02-55 932642 3092508 13 NON-AI DAUGHTERS                            | 17      | 11,034 | 3.9  | 434 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 08-63 13 WITH HERD-MATES                                       | 17      | 11,034 | 3.9  | 434 |                        |     |   |     | 18                 | 11,532 | 442 |               |     |
| STATES- 32   |         |        |      |     |                        |     |   |     | OIFF.              | 498-   | 8-  |               |     |
| 1305495 .....  |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| STATES- 61   |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 5 NON-AI DAUGHTERS   | 6       | 17,437 | 3.7  | 638 |                        |     |   |     | 25                 | 15,023 | 541 |               |     |
| 5 WITH HERD-MATES  | 6       | 17,437 | 3.7  | 638 |                        |     |   |     | OIFF.              | 2414   | 97  |               |     |
| 1305574 IVY BOWER VAR BURKE RAINIER.....                               |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 06-01-57 961535 3451675 8 NON-AI DAUGHTERS                             | 12      | 15,265 | 3.6  | 547 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 11-63 8 WITH HERD-MATES  | 12      | 15,265 | 3.6  | 547 |                        |     |   |     | 11                 | 14,263 | 504 |               |     |
| STATES- 82   |         |        |      |     |                        |     |   |     | OIFF.              | 1002   | 43  |               |     |
| 1305582 ELMER BROOK HOMESTEAD AIM.....                                 |         |        |      |     |                        |     |   |     |                    |        |     |               |     |
| 05-28-57 1236789 3786541 9 NON-AI DAUGHTERS                            | 15      | 12,732 | 3.4  | 437 |                        |     |   |     |                    |        |     |               |     |
| LISTED, 08-63 9 WITH HERD-MATES  | 15      | 12,732 | 3.4  | 437 |                        |     |   |     | 10                 | 11,973 | 440 |               |     |
| STATES- 42   |         |        |      |     |                        |     |   |     | OIFF.              | 759    | 3-  |               |     |



## SIRE OF DHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF |        |      |     | DAU.   | ADJ. HERO-MATES AV. |        |     | PREDICTED AV. |     |
|--|-------------------|--------|------|-----|--------|---------------------|--------|-----|---------------|-----|
|  | RECOROS           | MILK   | TEST | FAT |        | AV.                 | MILK   | FAT | MILK          | FAT |
|  | NUMBER            | LB     | %    | L8  | NUMBER | LB                  | LB     | LB  | LB            | L8  |
| 1305613 WILLARDOS PRIMO LEADER.....              |                   |        |      |     |        |                     |        |     |               |     |
| 01-01-57 915940 2965079 81 NON-AI DAUGHTERS      | 128               | 15,779 | 3.5  | 554 |        |                     |        |     |               |     |
| AI STUO, 94-01 LISTED, 05-64 81 WITH HERD-MATES  | 127               | 15,793 | 3.5  | 555 |        |                     |        |     |               |     |
| STATES- 23,33,35,42,74                           |                   |        |      |     |        | 23                  | 14,607 | 527 |               |     |
|  |                   |        |      |     |        | DIFF.               | 1186   | 28  |               |     |
| 1305721 .....                                    |                   |        |      |     |        |                     |        |     |               |     |
| STATES- 82,91                                    | 5                 | 13,676 | 3.6  | 495 | 5      | 13,676              | 3.6    | 495 |               |     |
|  | 5                 | 13,676 | 3.6  | 495 |        | 8                   | 14,311 | 515 |               |     |
|  |                   |        |      |     |        | DIFF.               | 635-   | 20- |               |     |
| 1305780 .....                                    |                   |        |      |     |        |                     |        |     |               |     |
| STATES- 32,34                                    | 5                 | 13,857 | 3.6  | 495 | 9      | 13,857              | 3.6    | 495 |               |     |
|  | 5                 | 13,857 | 3.6  | 495 |        | 17                  | 14,391 | 543 |               |     |
|  |                   |        |      |     |        | DIFF.               | 534-   | 48- |               |     |
| 1305781 EASTHAVEN COMMANDER VISCOUNT.....        |                   |        |      |     |        |                     |        |     |               |     |
| 04-14-56 1266396 3872257 14 NON-AI DAUGHTERS     | 19                | 17,168 | 3.5  | 607 |        |                     |        |     |               |     |
| LISTED, 08-63 14 WITH HERD-MATES                 | 19                | 17,168 | 3.5  | 607 |        |                     |        |     |               |     |
| STATES- 32                                       |                   |        |      |     |        | 20                  | 16,088 | 614 |               |     |
|  |                   |        |      |     |        | DIFF.               | 1080   | 7-  |               |     |
| 1305794 .....                                    |                   |        |      |     |        |                     |        |     |               |     |
| STATES- 93                                       | 8                 | 14,563 | 3.9  | 570 | 8      | 14,563              | 3.9    | 570 |               |     |
|  | 8                 | 14,563 | 3.9  | 570 |        | 48                  | 15,200 | 550 |               |     |
|  |                   |        |      |     |        | DIFF.               | 637-   | 20  |               |     |
| 1305836 ELKHART FOND PETE.....                   |                   |        |      |     |        |                     |        |     |               |     |
| 07-30-57 1250992 3981364 14 NON-AI DAUGHTERS     | 16                | 13,376 | 3.8  | 505 |        |                     |        |     |               |     |
| LISTED, 03-64 14 WITH HERD-MATES                 | 16                | 13,376 | 3.8  | 505 |        |                     |        |     |               |     |
| STATES- 33,35,41                                 |                   |        |      |     |        | 14                  | 14,231 | 536 |               |     |
|  |                   |        |      |     |        | DIFF.               | 855-   | 31- |               |     |
| 1305874 NACHES C 8 NIXON.....                    |                   |        |      |     |        |                     |        |     |               |     |
| 11-26-56 1198620 3612798 3 AI DAUGHTERS-03       |                   |        |      |     |        |                     |        |     |               |     |
| AI STUO, 93-05 LISTED, 05-64 3 WITH HERD-MATES   |                   |        |      |     |        |                     |        |     |               |     |
| STATES- 82                                       |                   |        |      |     |        |                     |        |     |               |     |
|  | 3                 | 13,510 | 3.5  | 479 | 4      | 13,510              | 3.5    | 479 |               |     |
|  | 2                 | 14,100 | 3.6  | 505 | 3      | 14,100              | 3.6    | 505 |               |     |
|  |                   |        |      |     |        | 6                   | 13,190 | 494 |               |     |
|  |                   |        |      |     |        | DIFF.               | 910    | 11  |               |     |
| 1305916 CLARINDA CHAMP TOVARICH.....             |                   |        |      |     |        |                     |        |     |               |     |
| 10-23-56 1252984 3273723 10 NON-AI DAUGHTERS     | 16                | 11,161 | 3.9  | 432 |        |                     |        |     |               |     |
| LISTED, 08-63 10 WITH HERD-MATES                 | 16                | 11,161 | 3.9  | 432 |        |                     |        |     |               |     |
| STATES- 42                                       |                   |        |      |     |        | 29                  | 10,767 | 415 |               |     |
|  |                   |        |      |     |        | DIFF.               | 394    | 17  |               |     |
| 1305928 CLOVERCOURT WONDER VAR HEDGE.....        |                   |        |      |     |        |                     |        |     |               |     |
| 07-08-55 1188571 2801378 12 NON-AI DAUGHTERS     | 21                | 12,375 | 3.6  | 441 |        |                     |        |     |               |     |
| LISTED, 08-63 12 WITH HERD-MATES                 | 21                | 12,375 | 3.6  | 441 |        |                     |        |     |               |     |
| STATES- 21                                       |                   |        |      |     |        | 28                  | 12,961 | 456 |               |     |
|  |                   |        |      |     |        | DIFF.               | 586-   | 15- |               |     |
| 1305994 ELKHART REFLECTION MAJOR.....            |                   |        |      |     |        |                     |        |     |               |     |
| 08-29-57 1231336 3181216 18 NON-AI DAUGHTERS     | 21                | 13,828 | 3.7  | 507 |        |                     |        |     |               |     |
| LISTED, 11-63 18 WITH HERD-MATES                 | 21                | 13,828 | 3.7  | 507 |        |                     |        |     |               |     |
| STATES- 35                                       |                   |        |      |     |        | 13                  | 12,898 | 472 |               |     |
|  |                   |        |      |     |        | DIFF.               | 930    | 35  |               |     |
| 1306010 .....                                    |                   |        |      |     |        |                     |        |     |               |     |
| STATES- 82,91                                    | 7                 | 13,323 | 4.1  | 540 | 9      | 13,323              | 4.1    | 540 |               |     |
|  | 7                 | 13,323 | 4.1  | 540 |        | 8                   | 13,200 | 509 |               |     |
|  |                   |        |      |     |        | DIFF.               | 123    | 31  |               |     |
| 1306019 JOCINAH TIM LEADER STAR.....             |                   |        |      |     |        |                     |        |     |               |     |
| 11-03-56 1222607 3722210 19 NON-AI DAUGHTERS     | 26                | 12,291 | 3.5  | 431 |        |                     |        |     |               |     |
| LISTED, 08-63 18 WITH HERD-MATES                 | 25                | 12,349 | 3.5  | 437 |        |                     |        |     |               |     |
| STATES- 32                                       |                   |        |      |     |        | 15                  | 12,800 | 454 |               |     |
|  |                   |        |      |     |        | DIFF.               | 451-   | 17- |               |     |
| 1306020 RAG APPLE TREASURE SUPREME.....          |                   |        |      |     |        |                     |        |     |               |     |
| 08-06-57 1281572 2814668 15 NON-AI DAUGHTERS     | 19                | 16,498 | 3.9  | 643 |        |                     |        |     |               |     |
| LISTED, 03-64 15 WITH HERD-MATES                 | 19                | 16,498 | 3.9  | 643 |        |                     |        |     |               |     |
| STATES- 31                                       |                   |        |      |     |        | 11                  | 16,911 | 642 |               |     |
|  |                   |        |      |     |        | DIFF.               | 413-   | 1   |               |     |
| 1306035 TREASURE MODEL REFLECTION.....           |                   |        |      |     |        |                     |        |     |               |     |
| 10-16-56 010198998 101136448 28 NON-AI DAUGHTERS | 38                | 12,718 | 3.5  | 448 |        |                     |        |     |               |     |
| LISTED, 03-64 28 WITH HERD-MATES                 | 38                | 12,718 | 3.5  | 448 |        |                     |        |     |               |     |
| STATES- 23,32,51,55,56                           |                   |        |      |     |        | 23                  | 12,984 | 472 |               |     |
|  |                   |        |      |     |        | DIFF.               | 266-   | 24- |               |     |
| 1306218 .....                                    |                   |        |      |     |        |                     |        |     |               |     |
| STATES- 21                                       | 7                 | 11,690 | 4.4  | 512 | 7      | 11,690              | 4.4    | 512 |               |     |
|  | 7                 | 11,690 | 4.4  | 512 |        | 35                  | 13,628 | 547 |               |     |
|  |                   |        |      |     |        | DIFF.               | 1938-  | 35- |               |     |
| 1306247 JERLAND COMET HOESLY VAR.....            |                   |        |      |     |        |                     |        |     |               |     |
| 11-14-55 1056438 3229977 11 NON-AI DAUGHTERS     | 19                | 16,718 | 3.7  | 617 |        |                     |        |     |               |     |
| AI STUO, 35-02 LISTED, 08-63 11 WITH HERD-MATES  | 19                | 16,718 | 3.7  | 617 |        |                     |        |     |               |     |
| STATES- 41                                       |                   |        |      |     |        | 19                  | 14,231 | 538 |               |     |
|  |                   |        |      |     |        | DIFF.               | 2487   | 79  |               |     |
| 1306250 WILDMOOR PATH LASS.....                  |                   |        |      |     |        |                     |        |     |               |     |
| 08-28-57 1260461 3516067 8 NON-AI DAUGHTERS      | 9                 | 12,056 | 3.7  | 444 |        |                     |        |     |               |     |
| LISTED, 11-63 8 WITH HERD-MATES                  | 8                 | 12,089 | 3.6  | 440 |        |                     |        |     |               |     |
| STATES- 21,23                                    |                   |        |      |     |        | 9                   | 14,375 | 533 |               |     |
|  |                   |        |      |     |        | DIFF.               | 2286-  | 93- |               |     |
| 1306274 KEYSTONE UNA CITATION.....               |                   |        |      |     |        |                     |        |     |               |     |
| 08-27-57 1240705 3026164 28 NON-AI DAUGHTERS     | 34                | 15,302 | 3.7  | 568 |        |                     |        |     |               |     |
| LISTED, 03-64 28 WITH HERD-MATES                 | 33                | 15,480 | 3.7  | 574 |        |                     |        |     |               |     |
| STATES- 22,51                                    |                   |        |      |     |        | 29                  | 13,180 | 499 |               |     |
|  |                   |        |      |     |        | DIFF.               | 2300   | 75  |               |     |
| 1306439 WINDY SHADE INDEPENDENCE.....            |                   |        |      |     |        |                     |        |     |               |     |
| 07-04-57 1269351 3260543 8 NON-AI DAUGHTERS      | 9                 | 10,276 | 3.7  | 376 |        |                     |        |     |               |     |
| LISTED, 03-64 6 WITH HERD-MATES                  | 7                 | 10,852 | 3.7  | 400 |        |                     |        |     |               |     |
| STATES- 61                                       |                   |        |      |     |        | 7                   | 10,584 | 395 |               |     |
|  |                   |        |      |     |        | DIFF.               | 268    | 5   |               |     |
| 1306452 OETERT SIR DELL BEACON.....              |                   |        |      |     |        |                     |        |     |               |     |
| 12-14-56 1222727 3352427 31 NON-AI DAUGHTERS     | 63                | 10,728 | 3.8  | 408 |        |                     |        |     |               |     |
| LISTED, 01-63 31 WITH HERD-MATES                 | 63                | 10,728 | 3.8  | 408 |        |                     |        |     |               |     |
| STATES- 35                                       |                   |        |      |     |        | 10                  | 11,228 | 437 |               |     |
|  |                   |        |      |     |        | DIFF.               | 500-   | 29- |               |     |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF |            |           |     | DAU.<br>FAT<br>L8 | ADJ. HERO-MATES AV. |                  |           | PREDICTED AV. |           |
|--|-------------------|------------|-----------|-----|-------------------|---------------------|------------------|-----------|---------------|-----------|
|  | RECORDS<br>NUMBER | MILK<br>L8 | TEST<br>% |     |                   | NUMBER              | MILK<br>L8       | FAT<br>L8 | MILK<br>L8    | FAT<br>L8 |
| 1306468 ALBUS FARM CHAMPION HOPE.....            |                   |            |           |     |                   |                     |                  |           |               |           |
| 09-27-56 1217666 2923995 16 NON-AI DAUGHTERS     | 26                | 12,535     | 3.5       | 440 |                   |                     |                  |           |               |           |
| LISTED, 08-63 16 WITH HERD-MATES                 | 26                | 12,535     | 3.5       | 440 |                   | 10                  | 12,333           | 416       |               |           |
| STATES- 21                                       |                   |            |           |     |                   | DIFF.               | 202              | 24        |               |           |
| 1306471 REST EASY JDH FLASH.....                 |                   |            |           |     |                   |                     |                  |           |               |           |
| 03-25-57 1179574 3050243 13 NON-AI DAUGHTERS     | 18                | 10,107     | 3.6       | 367 |                   |                     |                  |           |               |           |
| LISTED, 03-64 13 WITH HERD-MATES                 | 18                | 10,107     | 3.6       | 367 |                   | 57                  | 11,033           | 382       |               |           |
| STATES- 21                                       |                   |            |           |     |                   | DIFF.               | 926-             | 15-       |               |           |
| 1306477 WOODBURN LASS REFLECTION.....            |                   |            |           |     |                   |                     |                  |           |               |           |
| 04-03-57 010198998 3221337 785 AI DAUGHTERS-25*  | 1159              | 13,566     | 3.7       | 499 |                   |                     |                  |           |               |           |
| AI STUD, 23-04 LISTED, 05-64 779 WITH HERD-MATES | 1141              | 13,579     | 3.7       | 499 |                   | 17                  | 13,738           | 519       | 12,440        | 441       |
| STATES- 21,22,23,52,55                           |                   |            |           |     |                   | DIFF.               | 159-             | 20-       |               |           |
| 1306525 EL CANON ORMSBY SENSATION.....           |                   |            |           |     |                   |                     |                  |           |               |           |
| 05-23-57 1265710 4043338 8 NON-AI DAUGHTERS      | 9                 | 13,041     | 3.8       | 493 |                   |                     |                  |           |               |           |
| LISTED, 03-64 7 WITH HERD-MATES                  | 8                 | 13,906     | 3.8       | 527 |                   | 14                  | 15,856           | 585       |               |           |
| STATES- 84                                       |                   |            |           |     |                   | DIFF.               | 1950-            | 58-       |               |           |
| 1306550 KING ORCHARD PABST DEAN.....             |                   |            |           |     |                   |                     |                  |           |               |           |
| 09-28-56 1253032 3202407 24 NON-AI DAUGHTERS     | 36                | 12,516     | 3.5       | 434 |                   |                     |                  |           |               |           |
| LISTED, 08-63 24 WITH HERD-MATES                 | 36                | 12,516     | 3.5       | 434 |                   | 13                  | 11,516           | 385       |               |           |
| STATES- 34,86                                    |                   |            |           |     |                   | DIFF.               | 1000             | 49        |               |           |
| 1306551 ORMSBY KING LEADER.....                  |                   |            |           |     |                   |                     |                  |           |               |           |
| 07-28-57 1242469 3844539 11 NON-AI DAUGHTERS     | 14                | 13,864     | 3.5       | 484 |                   |                     |                  |           |               |           |
| LISTED, 11-63 11 WITH HERD-MATES                 | 14                | 13,864     | 3.5       | 484 |                   | 12                  | 13,641           | 489       |               |           |
| STATES- 42                                       |                   |            |           |     |                   | DIFF.               | 223              | 5-        |               |           |
| 1306610 ROCKCREST LEADER ROGGY.....              |                   |            |           |     |                   |                     |                  |           |               |           |
| 07-09-57 915940 3583662 9 NON-AI DAUGHTERS       | 12                | 12,191     | 3.5       | 422 |                   |                     |                  |           |               |           |
| LISTED, 05-64 9 WITH HERD-MATES                  | 12                | 12,191     | 3.5       | 422 |                   | 8                   | 10,690           | 382       |               |           |
| STATES- 42                                       |                   |            |           |     |                   | DIFF.               | 1501             | 40        |               |           |
| 1306662 GRAY VIEW SKY JAY.....                   |                   |            |           |     |                   |                     |                  |           |               |           |
| 06-26-57 1244845 4068257 23 NON-AI DAUGHTERS     | 31                | 15,879     | 3.6       | 568 |                   |                     |                  |           |               |           |
| LISTED, 08-63 23 WITH HERD-MATES                 | 31                | 15,879     | 3.6       | 568 |                   | 11                  | 14,784           | 525       |               |           |
| STATES- 35,42                                    |                   |            |           |     |                   | DIFF.               | 1095             | 43        |               |           |
| 1306698 .....                                    |                   |            |           |     |                   |                     |                  |           |               |           |
| STATES- 82,87                                    |                   |            |           |     |                   | 5                   | NDN-AI DAUGHTERS |           |               |           |
|  |                   |            |           |     |                   | 5                   | WITH HERD-MATES  |           |               |           |
|  |                   |            |           |     |                   | 6                   | 14,247           | 3.7       | 525           |           |
|  |                   |            |           |     |                   | 6                   | 14,247           | 3.7       | 525           |           |
|  |                   |            |           |     |                   | 17                  | 13,528           | 483       |               |           |
|  |                   |            |           |     |                   | DIFF.               | 719              | 42        |               |           |
| 1306733 WALBRIOR INSPIRATION CEORIC.....         |                   |            |           |     |                   |                     |                  |           |               |           |
| 07-28-56 1001748 2483925 19 NON-AI DAUGHTERS     | 24                | 12,362     | 3.6       | 451 |                   |                     |                  |           |               |           |
| LISTED, 03-64 19 WITH HERD-MATES                 | 24                | 12,362     | 3.6       | 451 |                   | 15                  | 12,608           | 473       |               |           |
| STATES- 31                                       |                   |            |           |     |                   | DIFF.               | 246-             | 22-       |               |           |
| 1306742 .....                                    |                   |            |           |     |                   |                     |                  |           |               |           |
| STATES- 23                                       |                   |            |           |     |                   | 5                   | NON-AI DAUGHTERS |           |               |           |
|  |                   |            |           |     |                   | 5                   | WITH HERD-MATES  |           |               |           |
|  |                   |            |           |     |                   | 6                   | 10,853           | 4.0       | 433           |           |
|  |                   |            |           |     |                   | 6                   | 10,853           | 4.0       | 433           |           |
|  |                   |            |           |     |                   | 9                   | 11,477           | 415       |               |           |
|  |                   |            |           |     |                   | DIFF.               | 624-             | 18        |               |           |
| 1306804 DOUGLASS CRESCENT ARISTOCRAT.....        |                   |            |           |     |                   |                     |                  |           |               |           |
| 05-20-57 1250351 3031970 8 NON-AI DAUGHTERS      | 12                | 13,416     | 3.7       | 490 |                   |                     |                  |           |               |           |
| LISTED, 08-63 8 WITH HERD-MATES                  | 12                | 13,416     | 3.7       | 490 |                   | 17                  | 12,668           | 467       |               |           |
| STATES- 33,35,42                                 |                   |            |           |     |                   | DIFF.               | 748              | 23        |               |           |
| 1306874 .....                                    |                   |            |           |     |                   |                     |                  |           |               |           |
| STATES- 73                                       |                   |            |           |     |                   | 6                   | NON-AI DAUGHTERS |           |               |           |
|  |                   |            |           |     |                   | 6                   | WITH HERD-MATES  |           |               |           |
|  |                   |            |           |     |                   | 7                   | 13,369           | 3.5       | 466           |           |
|  |                   |            |           |     |                   | 7                   | 13,369           | 3.5       | 466           |           |
|  |                   |            |           |     |                   | 37                  | 13,788           | 479       |               |           |
|  |                   |            |           |     |                   | DIFF.               | 419-             | 13-       |               |           |
| 1306901 B O I IMPEMGO DMAN.....                  |                   |            |           |     |                   |                     |                  |           |               |           |
| 04-30-57 956081 3635421 10 AI DAUGHTERS-06       | 14                | 12,395     | 3.5       | 434 |                   |                     |                  |           |               |           |
| AI STUD, 41-01 LISTED, 05-64 10 WITH HERD-MATES  | 14                | 12,395     | 3.5       | 434 |                   | 38                  | 12,327           | 439       | 12,495        | 452       |
| STATES- 41                                       |                   |            |           |     |                   | DIFF.               | 68               | 5-        |               |           |
| 1306902 B D I IMPEMGO APPOLLO.....               |                   |            |           |     |                   |                     |                  |           |               |           |
| 05-10-57 956081 3514107 8 NON-AI DAUGHTERS       | 15                | 13,060     | 3.8       | 494 |                   |                     |                  |           |               |           |
| AI STUD, 96-01 LISTED, 05-64 8 WITH HERD-MATES   | 15                | 13,060     | 3.8       | 494 |                   | 6                   | 13,570           | 478       |               |           |
| STATES- 96                                       |                   |            |           |     |                   | DIFF.               | 510-             | 16        |               |           |
| 1306905 BOI VARBURE QUIL.....                    |                   |            |           |     |                   |                     |                  |           |               |           |
| 04-20-57 1082020 3711567 15 NON-AI DAUGHTERS     | 23                | 15,793     | 3.3       | 528 |                   |                     |                  |           |               |           |
| LISTED, 08-63 15 WITH HERD-MATES                 | 23                | 15,793     | 3.3       | 528 |                   | 47                  | 13,966           | 496       |               |           |
| STATES- 23                                       |                   |            |           |     |                   | DIFF.               | 1827             | 32        |               |           |
| 1306908 B O I OLGIVER ACE.....                   |                   |            |           |     |                   |                     |                  |           |               |           |
| 05-24-57 1070036 3166250 18 NON-AI DAUGHTERS     | 20                | 13,664     | 3.9       | 530 |                   |                     |                  |           |               |           |
| LISTED, 03-64 18 WITH HERD-MATES                 | 20                | 13,664     | 3.9       | 530 |                   | 23                  | 13,043           | 497       |               |           |
| STATES- 41                                       |                   |            |           |     |                   | DIFF.               | 621              | 33        |               |           |
| 1307019 OSBORNOALE JEWELHOLM F08ES.....          |                   |            |           |     |                   |                     |                  |           |               |           |
| 12-14-56 934577 4067202 9 NON-AI DAUGHTERS       | 9                 | 18,392     | 3.6       | 663 |                   |                     |                  |           |               |           |
| LISTED, 03-64 9 WITH HERD-MATES                  | 9                 | 18,392     | 3.6       | 663 |                   | 30                  | 19,614           | 681       |               |           |
| STATES- 16                                       |                   |            |           |     |                   | DIFF.               | 1222-            | 18-       |               |           |
| 1307022 LAKEFIELD JEWELHOLM SUCCESSOR.....       |                   |            |           |     |                   |                     |                  |           |               |           |
| 10-07-56 1218298 3936096 22 NON-AI DAUGHTERS     | 27                | 11,596     | 3.7       | 431 |                   |                     |                  |           |               |           |
| LISTED, 11-63 22 WITH HERD-MATES                 | 27                | 11,596     | 3.7       | 431 |                   | 27                  | 11,812           | 455       |               |           |
| STATES- 16                                       |                   |            |           |     |                   | DIFF.               | 216-             | 24-       |               |           |
| 1307030 HAZEL BUSH ROAMER DIVIOEND.....          |                   |            |           |     |                   |                     |                  |           |               |           |
| 04-15-57 1216909 3826114 12 NON-AI DAUGHTERS     | 12                | 11,139     | 3.5       | 393 |                   |                     |                  |           |               |           |
| LISTED, 08-63 11 WITH HERD-MATES                 | 11                | 10,930     | 3.5       | 387 |                   | 9                   | 13,692           | 486       |               |           |
| STATES- 35                                       |                   |            |           |     |                   | DIFF.               | 2762-            | 99-       |               |           |
| 1307038 ROCKCREST WALKER EDGAR.....              |                   |            |           |     |                   |                     |                  |           |               |           |
| 08-07-57 1171455 3289067 13 NON-AI DAUGHTERS     | 18                | 11,643     | 3.6       | 423 |                   |                     |                  |           |               |           |
| LISTED, 11-63 13 WITH HERD-MATES                 | 18                | 11,643     | 3.6       | 423 |                   | 8                   | 12,666           | 466       |               |           |
| STATES- 42                                       |                   |            |           |     |                   | DIFF.               | 1023-            | 43-       |               |           |

## SIREs OF OHIA DAUGHTERS

| HOLSTEIN                                    |                  |                    | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|---|------------------|--------------------|------------------------|---------------------|-------------------|
|   |                  |                    | RECORDS MILK TEST FAT  | NUMBER MILK FAT     | MILK FAT          |
|   |                  |                    | NUMBER L8 % L8         | NUMBER L8 L8        | L8 L8             |
| 1307142 .....                               |                  |                    |                        |                     |                   |
| STATES- 34                                  | 9                | NON-AI DAUGHTERS   | 15 13,532 3.7 505      |                     |                   |
|   | 9                | WITH HERD-MATES    | 15 13,532 3.7 505      | 9 13,091 447        |                   |
|   |                  |                    |                        | DIFF. 441 58        |                   |
| 1307195 FRASEA NETHERLAND PERFECTION.....   |                  |                    |                        |                     |                   |
| 02-27-55 010153547 011002838 387            | AI DAUGHTERS-25* | 576 14,363 3.7 532 |                        |                     |                   |
| AI STUD, 92-01 LISTED, 05-64 352            | WITH HERD-MATES  | 528 14,398 3.7 532 | 21 13,744 501          | 13,221 490          |                   |
| STATES- 32,91,92                            |                  |                    | DIFF. 654 31           |                     |                   |
|   | 8                | NON-AI DAUGHTERS   | 14 12,693 3.6 456      |                     |                   |
|   | 8                | WITH HERD-MATES    | 13 12,533 3.6 448      | 11 12,253 449       |                   |
|   |                  |                    |                        | DIFF. 280 1-        |                   |
| 1307196 FRASEA TDP MARK.....                |                  |                    |                        |                     |                   |
| 05-30-57 010253255 011002838 100            | AI DAUGHTERS-25* | 119 12,916 3.8 488 |                        |                     |                   |
| AI STUD, 91-01 LISTED, 05-64 94             | WITH HERD-MATES  | 112 13,068 3.8 494 | 16 13,971 506          | 11,808 449          |                   |
| STATES- 81,82,87,91,92                      |                  |                    | DIFF. 903- 12-         |                     |                   |
| 1307201 HURLWOOD CONQUEROR ISA.....         |                  |                    |                        |                     |                   |
| 09-10-56 1026115 2943335 24                 | NON-AI DAUGHTERS | 37 13,615 3.9 526  |                        |                     |                   |
| LISTED, 03-64 24                            | WITH HERD-MATES  | 37 13,615 3.9 526  | 8 15,158 579           |                     |                   |
| STATES- 12,16                               |                  |                    | DIFF. 1543- 53-        |                     |                   |
| 1307222 D S R BLACK RDAMER.....             |                  |                    |                        |                     |                   |
| 06-05-57 1211984 3374387 12                 | NON-AI DAUGHTERS | 12 14,493 3.5 501  |                        |                     |                   |
| LISTED, 03-64 12                            | WITH HERD-MATES  | 12 14,493 3.5 501  | 43 14,076 477          |                     |                   |
| STATES- 73                                  |                  |                    | DIFF. 417 24           |                     |                   |
| 1307422 SHERWIN FOND DELIGHT TEXAL.....     |                  |                    |                        |                     |                   |
| 04-08-57 1218298 3880030 42                 | AI DAUGHTERS-25  | 56 10,896 3.7 406  |                        |                     |                   |
| AI STUD, 63-01 LISTED, 05-64 41             | WITH HERD-MATES  | 55 10,882 3.7 405  | 17 11,675 433          | 11,799 432          |                   |
| STATES- 63                                  |                  |                    | DIFF. 793- 28-         |                     |                   |
|   | 1                | NON-AI DAUGHTERS   | 3 12,097 3.5 424       |                     |                   |
|   | 1                | WITH HERD-MATES    | 3 12,097 3.5 424       | 8 10,875 380        |                   |
|   |                  |                    | DIFF. 1222 44          |                     |                   |
| 1307498 .....                               |                  |                    |                        |                     |                   |
| STATES- 41                                  | 5                | NON-AI DAUGHTERS   | 6 10,668 3.7 394       |                     |                   |
|   | 4                | WITH HERD-MATES    | 5 10,765 3.6 391       | 9 11,004 392        |                   |
|   |                  |                    | DIFF. 239- 1-          |                     |                   |
| 1307507 ROSEHAVEN MARK KING.....            |                  |                    |                        |                     |                   |
| 03-29-57 990952 2772175 9                   | NON-AI DAUGHTERS | 11 10,020 3.4 341  |                        |                     |                   |
| LISTED, 11-63 9                             | WITH HERD-MATES  | 11 10,020 3.4 341  | 10 9,372 334           |                     |                   |
| STATES- 41                                  |                  |                    | DIFF. 648 7            |                     |                   |
| 1307536 KYLAND RECOVERY BEAUTY PREMIER..... |                  |                    |                        |                     |                   |
| 09-05-57 1126392 3432100 19                 | NON-AI DAUGHTERS | 34 14,287 3.8 548  |                        |                     |                   |
| LISTED, 08-63 19                            | WITH HERD-MATES  | 34 14,287 3.8 548  | 8 13,147 503           |                     |                   |
| STATES- 42                                  |                  |                    | DIFF. 1140 45          |                     |                   |
| 1307678 DAK EDGE 8DNIE DOUBLE P M.....      |                  |                    |                        |                     |                   |
| 09-22-57 1250278 3324793 9                  | NON-AI DAUGHTERS | 11 14,551 3.6 526  |                        |                     |                   |
| LISTED, 11-63 9                             | WITH HERD-MATES  | 11 14,551 3.6 526  | 13 14,102 505          |                     |                   |
| STATES- 34                                  |                  |                    | DIFF. 449 21           |                     |                   |
| 1307691 DDJIMAR SEGIS UNEEDA.....           |                  |                    |                        |                     |                   |
| 09-03-57 1121706 3456809 10                 | NON-AI DAUGHTERS | 15 11,863 3.9 467  |                        |                     |                   |
| LISTED, 11-63 10                            | WITH HERD-MATES  | 15 11,863 3.9 467  | 21 13,462 509          |                     |                   |
| STATES- 31                                  |                  |                    | DIFF. 1599- 42-        |                     |                   |
| 1307719 CLYDE HILL DRMS8Y CORDNA AURA.....  |                  |                    |                        |                     |                   |
| 09-05-57 1236901 3506240 36                 | NON-AI DAUGHTERS | 47 13,499 3.4 463  |                        |                     |                   |
| LISTED, 03-64 36                            | WITH HERD-MATES  | 46 13,443 3.4 461  | 8 11,662 415           |                     |                   |
| STATES- 42                                  |                  |                    | DIFF. 1781 46          |                     |                   |
| 1307771 DDRCIS LEADER DDN.....              |                  |                    |                        |                     |                   |
| 09-22-57 915940 3352657 14                  | NON-AI DAUGHTERS | 15 13,245 3.7 489  |                        |                     |                   |
| LISTED, 03-64 14                            | WITH HERD-MATES  | 15 13,245 3.7 489  | 18 12,187 459          |                     |                   |
| STATES- 42                                  |                  |                    | DIFF. 1058 30          |                     |                   |
| 1307812 JEWELHOLM LADDIE LEADER.....        |                  |                    |                        |                     |                   |
| 06-04-57 915940 4226848 15                  | NON-AI DAUGHTERS | 21 13,208 3.4 454  |                        |                     |                   |
| LISTED, 08-63 14                            | WITH HERD-MATES  | 20 13,073 3.4 450  | 24 13,343 481          |                     |                   |
| STATES- 13,21,22,23,91                      |                  |                    | DIFF. 270- 31-         |                     |                   |
| 1307857 ZIMMERMAN BESTAR ROYAL LEE.....     |                  |                    |                        |                     |                   |
| 12-15-56 1156771 4196429 24                 | AI DAUGHTERS-12  | 28 14,637 4.0 590  |                        |                     |                   |
| AI STUD, 23-01 LISTED, 05-64 24             | WITH HERD-MATES  | 28 14,637 4.0 590  | 14 14,780 575          | 12,529 473          |                   |
| STATES- 23                                  |                  |                    | DIFF. 143- 15          |                     |                   |
| 1307913 .....                               |                  |                    |                        |                     |                   |
| STATES- 21                                  | 5                | NON-AI DAUGHTERS   | 8 13,637 3.8 517       |                     |                   |
|   | 5                | WITH HERD-MATES    | 8 13,637 3.8 517       | 21 12,093 441       |                   |
|   |                  |                    | DIFF. 1544 76          |                     |                   |
| 1308064 WALKWAY TRANSMITTER FRANCIS.....    |                  |                    |                        |                     |                   |
| 06-25-56 1233555 2656119 21                 | NON-AI DAUGHTERS | 30 12,322 3.6 447  |                        |                     |                   |
| LISTED, 08-63 21                            | WITH HERD-MATES  | 30 12,322 3.6 447  | 11 12,024 434          |                     |                   |
| STATES- 33                                  |                  |                    | DIFF. 298 13           |                     |                   |
| 1308070 BIG ELM DESIGN MADCAP.....          |                  |                    |                        |                     |                   |
| 11-08-56 1211002 3275275 19                 | NON-AI DAUGHTERS | 24 13,094 3.4 451  |                        |                     |                   |
| LISTED, 08-63 19                            | WITH HERD-MATES  | 24 13,094 3.4 451  | 22 12,687 458          |                     |                   |
| STATES- 21,23                               |                  |                    | DIFF. 407 7-           |                     |                   |
| 1308082 ALNAT EMPDORER VICKIE.....          |                  |                    |                        |                     |                   |
| 10-18-57 1157986 3682460 11                 | NON-AI DAUGHTERS | 16 12,990 3.8 493  |                        |                     |                   |
| LISTED, 08-63 11                            | WITH HERD-MATES  | 16 12,990 3.8 493  | 43 13,173 503          |                     |                   |
| STATES- 23                                  |                  |                    | DIFF. 183- 10-         |                     |                   |
| 1308101 SKDKIE SENSATION NED.....           |                  |                    |                        |                     |                   |
| 04-11-57 1267271 3235818 18                 | NON-AI DAUGHTERS | 26 18,119 3.7 678  |                        |                     |                   |
| AI STUD, 61-01 LISTED, 03-64 18             | WITH HERD-MATES  | 26 18,119 3.7 678  | 5 16,376 637           |                     |                   |
| STATES- 34                                  |                  |                    | DIFF. 1743 41          |                     |                   |



| SIRE OF DHIA DAUGHTERS                           |  |  |  |  | AV. PRODUCTION OF DAU. |            |           |           | AOJ. HERO-MATES AV. |            |           | PREDICTED AV. |           |
|--|--|--|--|--|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
| HDLSTEIN   |  |  |  |  | RECORDS<br>NUMBER      | MILK<br>L8 | TEST<br>% | FAT<br>L8 | AV.<br>NUMBER       | MILK<br>L8 | FAT<br>L8 | MILK<br>L8    | FAT<br>L8 |
| 1308137 MITCHELL FARM WALKER DICTATOR.....       |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 08-02-57 1038118 2994250 6 NON-AI DAUGHTERS      |  |  |  |  | 6                      | 12,475     | 4.0       | 496       |                     |            |           |               |           |
| LISTED, 05-64 6 WITH HERD-MATES                  |  |  |  |  | 6                      | 12,475     | 4.0       | 496       |                     |            |           |               |           |
| STATES- 16,42                                    |  |  |  |  |                        |            |           |           | 15                  | 13,089     | 508       |               |           |
|  |  |  |  |  |                        |            |           |           | DIFF.               | 614-       | 12-       |               |           |
| 1308138 MITCHELL FARM WALKER OONJUAN.....        |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 09-15-57 1038118 3134882 11 NON-AI DAUGHTERS     |  |  |  |  | 12                     | 14,217     | 3.8       | 546       |                     |            |           |               |           |
| LISTED, 03-64 11 WITH HERD-MATES                 |  |  |  |  | 12                     | 14,217     | 3.8       | 546       |                     |            |           |               |           |
| STATES- 13,16                                    |  |  |  |  |                        |            |           |           | 18                  | 13,072     | 497       |               |           |
|  |  |  |  |  |                        |            |           |           | OIFF.               | 1145       | 49        |               |           |
| 1308146 FLYING CLOUD RDMED.....                  |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 06-27-57 1181068 3439811 6 NON-AI DAUGHTERS      |  |  |  |  | 6                      | 9,482      | 3.8       | 357       |                     |            |           |               |           |
| LISTED, 05-64 6 WITH HERD-MATES                  |  |  |  |  | 6                      | 9,482      | 3.8       | 357       |                     |            |           |               |           |
| STATES- 16                                       |  |  |  |  |                        |            |           |           | 33                  | 11,782     | 452       |               |           |
|  |  |  |  |  |                        |            |           |           | OIFF.               | 2300-      | 95-       |               |           |
| 1308171 MODEL ORCHARD VALE TREASURE.....         |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 12-18-55 1028260 010908459 9 NON-AI DAUGHTERS    |  |  |  |  | 14                     | 11,716     | 4.0       | 463       |                     |            |           |               |           |
| LISTED, 11-63 9 WITH HERD-MATES                  |  |  |  |  | 14                     | 11,716     | 4.0       | 463       |                     |            |           |               |           |
| STATES- 52                                       |  |  |  |  |                        |            |           |           | 7                   | 13,223     | 498       |               |           |
|  |  |  |  |  |                        |            |           |           | DIFF.               | 1507-      | 35-       |               |           |
| 1308246 CURTIS ADMIRAL RICKY.....                |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 03-02-57 1108504 3944764 9 NON-AI DAUGHTERS      |  |  |  |  | 12                     | 13,004     | 3.7       | 484       |                     |            |           |               |           |
| LISTED, 03-64 9 WITH HERD-MATES                  |  |  |  |  | 12                     | 13,004     | 3.7       | 484       |                     |            |           |               |           |
| STATES- 23                                       |  |  |  |  |                        |            |           |           | 16                  | 12,187     | 455       |               |           |
|  |  |  |  |  |                        |            |           |           | DIFF.               | 817        | 29        |               |           |
| 1308281 BUTZRIORGE RICKY TIDY NEPTUNE.....       |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 03-02-57 1196648 3910001 9 NON-AI DAUGHTERS      |  |  |  |  | 13                     | 8,516      | 3.7       | 318       |                     |            |           |               |           |
| LISTED, 08-63 9 WITH HERD-MATES                  |  |  |  |  | 13                     | 8,516      | 3.7       | 318       |                     |            |           |               |           |
| STATES- 33,54                                    |  |  |  |  |                        |            |           |           | 8                   | 10,250     | 392       |               |           |
|  |  |  |  |  |                        |            |           |           | DIFF.               | 1734-      | 74-       |               |           |
| 1308283 LIME HOLLOW SUPER8 BEAUTY.....           |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 08-14-57 1081270 2977016 5 NON-AI DAUGHTERS      |  |  |  |  | 8                      | 15,083     | 3.8       | 577       |                     |            |           |               |           |
| LISTED, 05-64 5 WITH HERD-MATES                  |  |  |  |  | 8                      | 15,083     | 3.8       | 577       |                     |            |           |               |           |
| STATES- 21                                       |  |  |  |  |                        |            |           |           | 38                  | 15,779     | 576       |               |           |
|  |  |  |  |  |                        |            |           |           | DIFF.               | 696-       | 1         |               |           |
| 1308348 HARDEN FARMS DUKE MERLE.....             |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 07-22-57 1112211 2817891 24 NON-AI DAUGHTERS     |  |  |  |  | 30                     | 14,096     | 3.8       | 532       |                     |            |           |               |           |
| LISTED, 08-63 24 WITH HERD-MATES                 |  |  |  |  | 30                     | 14,096     | 3.8       | 532       |                     |            |           |               |           |
| STATES- 33                                       |  |  |  |  |                        |            |           |           | 19                  | 14,847     | 578       |               |           |
|  |  |  |  |  |                        |            |           |           | DIFF.               | 751-       | 46-       |               |           |
| 1308370 .....                                    |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 43,46                                    |  |  |  |  | 5                      | 12,572     | 3.8       | 477       |                     |            |           |               |           |
|  |  |  |  |  | 5                      | 12,572     | 3.8       | 477       |                     |            |           |               |           |
|  |  |  |  |  |                        |            |           |           | 10                  | 14,000     | 507       |               |           |
|  |  |  |  |  |                        |            |           |           | DIFF.               | 1428-      | 30-       |               |           |
| 1308419 CARNATION BUTTER 80Y COUNT.....          |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 08-01-57 1152252 3700608 29 AI DAUGHTERS-23      |  |  |  |  | 30                     | 13,370     | 3.5       | 470       |                     |            |           |               |           |
| AI STUO, 35-04 LISTED, 05-64 29 WITH HERD-MATES  |  |  |  |  | 30                     | 13,370     | 3.5       | 470       |                     |            |           |               |           |
| STATES- 35,41,74                                 |  |  |  |  |                        |            |           |           | 16                  | 13,465     | 474       | 12,474        | 454       |
|  |  |  |  |  |                        |            |           |           | DIFF.               | 95-        | 4-        |               |           |
|  |  |  |  |  | 4                      | 15,264     | 3.7       | 571       |                     |            |           |               |           |
|  |  |  |  |  | 4                      | 15,264     | 3.7       | 571       |                     |            |           |               |           |
|  |  |  |  |  |                        |            |           |           | 16                  | 13,728     | 495       |               |           |
|  |  |  |  |  |                        |            |           |           | DIFF.               | 1536       | 76        |               |           |
| 1308429 HOWACRES ADMIRAL LUCIFER.....            |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 05-02-57 769170 3277789 191 AI DAUGHTERS-25*     |  |  |  |  | 260                    | 13,518     | 3.7       | 502       |                     |            |           |               |           |
| AI STUO, 16-04 LISTED, 05-64 190 WITH HERD-MATES |  |  |  |  | 257                    | 13,518     | 3.7       | 502       |                     |            |           |               |           |
| STATES- 11,12,13,14,15,16                        |  |  |  |  |                        |            |           |           | 24                  | 13,529     | 510       | 12,560        | 452       |
|  |  |  |  |  |                        |            |           |           | OIFF.               | 11-        | 8-        |               |           |
|  |  |  |  |  | 3                      | 10,316     | 4.1       | 425       |                     |            |           |               |           |
|  |  |  |  |  | 3                      | 10,316     | 4.1       | 425       |                     |            |           |               |           |
|  |  |  |  |  |                        |            |           |           | 15                  | 14,056     | 512       |               |           |
|  |  |  |  |  |                        |            |           |           | DIFF.               | 3740-      | 87-       |               |           |
| 1308430 HOWACRES HOMESTEAD MISTER.....           |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 07-06-57 1038118 2696634 6 NON-AI DAUGHTERS      |  |  |  |  | 9                      | 13,747     | 4.0       | 553       |                     |            |           |               |           |
| LISTED, 05-64 6 WITH HERD-MATES                  |  |  |  |  | 9                      | 13,747     | 4.0       | 553       |                     |            |           |               |           |
| STATES- 13                                       |  |  |  |  |                        |            |           |           | 12                  | 14,145     | 552       |               |           |
|  |  |  |  |  |                        |            |           |           | DIFF.               | 398-       | 1         |               |           |
| 1308472 SIR JOHANNA CELEBRITY PABST.....         |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 10-14-56 1157449 3386268 8 NON-AI DAUGHTERS      |  |  |  |  | 16                     | 12,832     | 3.8       | 489       |                     |            |           |               |           |
| LISTED, 01-63 8 WITH HERD-MATES                  |  |  |  |  | 16                     | 12,832     | 3.8       | 489       |                     |            |           |               |           |
| STATES- 35,74                                    |  |  |  |  |                        |            |           |           | 15                  | 14,061     | 516       |               |           |
|  |  |  |  |  |                        |            |           |           | OIFF.               | 1229-      | 27-       |               |           |
| 1308492 RIVER VALLEY WALLIE SUPERIOR.....        |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 09-09-57 1190632 3002373 29 AI DAUGHTERS-07      |  |  |  |  | 47                     | 15,843     | 3.7       | 589       |                     |            |           |               |           |
| AI STUO, 55-01 LISTED, 05-64 29 WITH HERD-MATES  |  |  |  |  | 47                     | 15,843     | 3.7       | 589       |                     |            |           |               |           |
| STATES- 55                                       |  |  |  |  |                        |            |           |           | 48                  | 16,036     | 604       | 12,585        | 455       |
|  |  |  |  |  |                        |            |           |           | DIFF.               | 193-       | 15-       |               |           |
| 1308493 RIVER VALLEY WALLIE DDY.....             |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 10-10-57 1190632 3284279 5 NON-AI DAUGHTERS      |  |  |  |  | 5                      | 16,562     | 3.4       | 558       |                     |            |           |               |           |
| LISTED, 05-64 5 WITH HERD-MATES                  |  |  |  |  | 5                      | 16,562     | 3.4       | 558       |                     |            |           |               |           |
| STATES- 21                                       |  |  |  |  |                        |            |           |           | 16                  | 15,490     | 585       |               |           |
|  |  |  |  |  |                        |            |           |           | OIFF.               | 1072       | 27-       |               |           |
| 1308502 AL-LOU-JAN FOOTPRINT BURKE WIS.....      |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 12-08-56 1013415 3532822 13 NON-AI DAUGHTERS     |  |  |  |  | 18                     | 13,297     | 3.6       | 485       |                     |            |           |               |           |
| LISTED, 11-63 13 WITH HERD-MATES                 |  |  |  |  | 18                     | 13,297     | 3.6       | 485       |                     |            |           |               |           |
| STATES- 52,54                                    |  |  |  |  |                        |            |           |           | 18                  | 13,270     | 495       |               |           |
|  |  |  |  |  |                        |            |           |           | OIFF.               | 27         | 10-       |               |           |
| 1308542 .....                                    |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| STATES- 23                                       |  |  |  |  | 5                      | 10,937     | 3.7       | 403       |                     |            |           |               |           |
|  |  |  |  |  | 5                      | 10,937     | 3.7       | 403       |                     |            |           |               |           |
|  |  |  |  |  |                        |            |           |           | 11                  | 12,541     | 470       |               |           |
|  |  |  |  |  |                        |            |           |           | OIFF.               | 1604-      | 67-       |               |           |
| 1308558 RONHUB IDAC ROBURKE.....                 |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 04-15-57 1024453 2509390 72 AI DAUGHTERS-25*     |  |  |  |  | 79                     | 14,126     | 3.5       | 498       |                     |            |           |               |           |
| AI STUO, 33-03 LISTED, 03-64 72 WITH HERD-MATES  |  |  |  |  | 79                     | 14,126     | 3.5       | 498       |                     |            |           |               |           |
| STATES- 11,12,13,14,16,21,23,                    |  |  |  |  |                        |            |           |           | 19                  | 13,392     | 492       | 13,173        | 464       |
| 31,32,33,34,35,41,42,47,50,51,                   |  |  |  |  |                        |            |           |           | OIFF.               | 734        | 6         |               |           |
| 52,55,58,61,82,91                                |  |  |  |  | 11                     | 14,619     | 3.5       | 518       |                     |            |           |               |           |
|  |  |  |  |  | 11                     | 14,619     | 3.5       | 518       |                     |            |           |               |           |
|  |  |  |  |  |                        |            |           |           | 39                  | 12,795     | 476       |               |           |
|  |  |  |  |  |                        |            |           |           | DIFF.               | 1824       | 42        |               |           |
| 1308597 ELKLANO SIR JET.....                     |  |  |  |  |                        |            |           |           |                     |            |           |               |           |
| 09-09-57 1091409 3017310 9 NON-AI DAUGHTERS      |  |  |  |  | 13                     | 15,201     | 3.8       | 584       |                     |            |           |               |           |
| LISTED, 08-63 9 WITH HERD-MATES                  |  |  |  |  | 13                     | 15,201     | 3.8       | 584       |                     |            |           |               |           |
| STATES- 35                                       |  |  |  |  |                        |            |           |           | 9                   | 12,051     | 452       |               |           |
|  |  |  |  |  |                        |            |           |           | DIFF.               | 3150       | 132       |               |           |

## SIRE OF DHIA DAUGHTERS

| SIRE'S OF DATA DAUGHTER |                                    |         |                  | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERO-MATES AV. |        |      | PREDICTED AV. |     |
|-------------------------|------------------------------------|---------|------------------|------------------------|--------|------|-----|---------------------|--------|------|---------------|-----|
| HOLSTEIN                |                                    |         |                  | RECORDS                | MILK   | TEST | FAT | AV.                 | MILK   | FAT  | MILK          | FAT |
|                         |                                    |         |                  | NUMBER                 | L8     | %    | L8  | NUMBER              | L8     | L8   | L8            | L8  |
| 1308666                 | .....                              |         |                  |                        |        |      |     |                     |        |      |               |     |
| STATES-                 | 33                                 | 9       | NON-AI DAUGHTERS | 9                      | 12,969 | 3.8  | 496 |                     |        |      |               |     |
|                         |                                    | 9       | WITH HERD-MATES  | 9                      | 12,969 | 3.8  | 496 | 16                  | 12,501 | 464  |               |     |
|                         |                                    |         |                  |                        |        |      |     | DIFF.               | 468    | 32   |               |     |
| 1308668                 | MONARCHIAL ROLAND SUPREME.....     |         |                  |                        |        |      |     |                     |        |      |               |     |
| 08-23-57                | 1245050                            | 3155142 | 17               | 18                     | 10,929 | 3.5  | 378 |                     |        |      |               |     |
|                         | LISTED, 11-63                      |         | 17               | 18                     | 10,929 | 3.5  | 378 | 26                  | 10,729 | 362  |               |     |
| STATES-                 | 41                                 |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 200    | 16   |               |     |
| 1308669                 | PINEHAVEN 80LD ADMIRAL GUS.....    |         |                  |                        |        |      |     |                     |        |      |               |     |
| 10-02-57                | 1140146                            | 3617280 | 23               | 29                     | 14,177 | 3.9  | 549 |                     |        |      |               |     |
|                         | LISTED, 11-63                      |         | 22               | 28                     | 14,249 | 3.9  | 550 | 10                  | 14,989 | 550  |               |     |
| STATES-                 | 34                                 |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 740-   |      |               |     |
| 1308706                 | .....                              |         |                  |                        |        |      |     |                     |        |      |               |     |
| STATES-                 | 82                                 | 5       | NON-AI DAUGHTERS | 6                      | 17,892 | 3.6  | 640 |                     |        |      |               |     |
|                         |                                    | 5       | WITH HERD-MATES  | 6                      | 17,892 | 3.6  | 640 | 16                  | 14,988 | 547  |               |     |
|                         |                                    |         |                  |                        |        |      |     | DIFF.               | 2904   | 93   |               |     |
| 1308796                 | OREGON CHALLENGER 8ARON.....       |         |                  |                        |        |      |     |                     |        |      |               |     |
| 09-14-57                | 1253140                            | 3441114 | 19               | 25                     | 18,965 | 3.5  | 671 |                     |        |      |               |     |
| AI STUO, 52-D1          | LISTED, 03-64                      |         | 19               | 24                     | 18,924 | 3.5  | 668 | 16                  | 14,983 | 558  |               |     |
| STATES-                 | 92                                 |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 3941   | 110  |               |     |
| 1308801                 | PUELICHER LEADER DEAN.....         |         |                  |                        |        |      |     |                     |        |      |               |     |
| 01-25-57                | 915940                             | 3846421 | 14               | 19                     | 14,713 | 3.6  | 533 |                     |        |      |               |     |
|                         | LISTED, 11-63                      |         | 14               | 18                     | 14,844 | 3.6  | 538 | 8                   | 13,984 | 540  |               |     |
| STATES-                 | 52,55                              |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 860    | 2-   |               |     |
| 1308818                 | S V F ROYAL VAR CREATOR.....       |         |                  |                        |        |      |     |                     |        |      |               |     |
| 10-12-57                | 1256558                            | 2872651 | 6                | 8                      | 15,665 | 3.9  | 610 |                     |        |      |               |     |
|                         | LISTED, 05-64                      |         | 6                | 7                      | 15,253 | 3.9  | 595 | 27                  | 16,162 | 614  |               |     |
| STATES-                 | 22                                 |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 909-   | 19-  |               |     |
| 1308832                 | BURKE REDSTONE TOGUS HAP.....      |         |                  |                        |        |      |     |                     |        |      |               |     |
| 07-08-57                | 976709                             | 3927619 | 14               | 19                     | 10,824 | 3.5  | 382 |                     |        |      |               |     |
|                         | LISTED, 01-63                      |         | 14               | 19                     | 10,824 | 3.5  | 382 | 7                   | 13,087 | 484  |               |     |
| STATES-                 | 11                                 |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 2263-  | 102- |               |     |
| 1308835                 | TONNAHOPE JEFF POPPY.....          |         |                  |                        |        |      |     |                     |        |      |               |     |
| 10-21-56                | 984801                             | 2821596 | 14               | 21                     | 13,102 | 3.7  | 482 |                     |        |      |               |     |
|                         | LISTED, 03-64                      |         | 14               | 21                     | 13,102 | 3.7  | 482 | 6                   | 13,749 | 502  |               |     |
| STATES-                 | 41                                 |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 647-   | 20-  |               |     |
| 1308933                 | LAKE PARK SIR PATRIOT ADMIRAL..... |         |                  |                        |        |      |     |                     |        |      |               |     |
| 04-01-57                | 1037179                            | 3172377 | 17               | 20                     | 13,248 | 3.9  | 515 |                     |        |      |               |     |
|                         | LISTED, 08-63                      |         | 17               | 20                     | 13,248 | 3.9  | 515 | 38                  | 11,723 | 436  |               |     |
| STATES-                 | 35                                 |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 1525   | 79   |               |     |
| 1308942                 | HIGHER VIEW LUCKY LAD.....         |         |                  |                        |        |      |     |                     |        |      |               |     |
| 08-10-56                | 1213314                            | 3020564 | 9                | 18                     | 11,546 | 3.8  | 442 |                     |        |      |               |     |
|                         | LISTED, 01-63                      |         | 9                | 18                     | 11,546 | 3.8  | 442 | 16                  | 11,855 | 451  |               |     |
| STATES-                 | 48                                 |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 309-   | 9-   |               |     |
| 1308953                 | ROBERT CREST GOVERNOR.....         |         |                  |                        |        |      |     |                     |        |      |               |     |
| 10-11-57                | 969669                             | 3372922 | 9                | 11                     | 12,207 | 4.2  | 507 |                     |        |      |               |     |
|                         | LISTED, 03-64                      |         | 9                | 10                     | 12,059 | 4.1  | 495 | 13                  | 13,269 | 529  |               |     |
| STATES-                 | 14                                 |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 1210-  | 34-  |               |     |
| 1308955                 | LOCKWAY TEXAL LUCIFER.....         |         |                  |                        |        |      |     |                     |        |      |               |     |
| 07-14-56                | 1165012                            | 3330455 | 14               | 18                     | 14,761 | 3.9  | 576 |                     |        |      |               |     |
|                         | LISTED, 08-63                      |         | 14               | 18                     | 14,761 | 3.9  | 576 | 30                  | 13,337 | 512  |               |     |
| STATES-                 | 23,51                              |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 1424   | 64   |               |     |
| 1308988                 | KADANISDA DE KOL POSCH - TWIN..... |         |                  |                        |        |      |     |                     |        |      |               |     |
| 02-10-54                | 831870                             | 2551254 | 18               | 27                     | 11,168 | 3.5  | 395 |                     |        |      |               |     |
|                         | LISTED, 08-63                      |         | 18               | 27                     | 11,168 | 3.5  | 395 | 10                  | 11,437 | 409  |               |     |
| STATES-                 | 21                                 |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 269-   | 14-  |               |     |
| 1308997                 | ELMOKA KING OLE.....               |         |                  |                        |        |      |     |                     |        |      |               |     |
| 08-08-57                | 1146343                            | 3762746 | 34               | 41                     | 12,584 | 4.0  | 503 |                     |        |      |               |     |
|                         | LISTED, 03-64                      |         | 31               | 38                     | 12,956 | 4.0  | 515 | 36                  | 13,076 | 497  |               |     |
| STATES-                 | 35                                 |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 120-   | 18   |               |     |
| 1309033                 | CULVER LANCELOT LAD ELMER.....     |         |                  |                        |        |      |     |                     |        |      |               |     |
| 07-06-57                | 1234371                            | 3757129 | 10               | 17                     | 12,722 | 3.8  | 484 |                     |        |      |               |     |
|                         | LISTED, 01-63                      |         | 10               | 17                     | 12,722 | 3.8  | 484 | 13                  | 12,404 | 486  |               |     |
| STATES-                 | 32                                 |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 318    | 2-   |               |     |
| 1309083                 | .....                              |         |                  |                        |        |      |     |                     |        |      |               |     |
| STATES-                 | 32                                 | 6       | NON-AI DAUGHTERS | 10                     | 15,813 | 3.7  | 578 |                     |        |      |               |     |
|                         |                                    | 6       | WITH HERD-MATES  | 10                     | 15,813 | 3.7  | 578 | 23                  | 13,965 | 508  |               |     |
|                         |                                    |         |                  |                        |        |      |     | DIFF.               | 1848   | 70   |               |     |
| 1309115                 | .....                              |         |                  |                        |        |      |     |                     |        |      |               |     |
| STATES-                 | 74                                 | 6       | NON-AI DAUGHTERS | 8                      | 9,041  | 3.4  | 311 |                     |        |      |               |     |
|                         |                                    | 6       | WITH HERD-MATES  | 8                      | 9,041  | 3.4  | 311 | 4                   | 10,450 | 382  |               |     |
|                         |                                    |         |                  |                        |        |      |     | DIFF.               | 1409-  | 71-  |               |     |
| 1309124                 | WINTERTHUR IDOL FOBES LUCKY.....   |         |                  |                        |        |      |     |                     |        |      |               |     |
| 12-24-56                | 1213163                            | 3261040 | 11               | 12                     | 12,688 | 3.8  | 483 |                     |        |      |               |     |
|                         | LISTED, 11-63                      |         | 11               | 12                     | 12,688 | 3.8  | 483 | 42                  | 14,564 | 533  |               |     |
| STATES-                 | 21                                 |         | WITH HERD-MATES  |                        |        |      |     | DIFF.               | 1876-  | 50-  |               |     |
| 1309177                 | .....                              |         |                  |                        |        |      |     |                     |        |      |               |     |
| STATES-                 | 52                                 | 6       | NON-AI DAUGHTERS | 8                      | 15,873 | 3.7  | 581 |                     |        |      |               |     |
|                         |                                    | 6       | WITH HERD-MATES  | 8                      | 15,873 | 3.7  | 581 | 16                  | 13,609 | 494  |               |     |
|                         |                                    |         |                  |                        |        |      |     | DIFF.               | 2264   | 87   |               |     |
| 1309222                 | .....                              |         |                  |                        |        |      |     |                     |        |      |               |     |
| STATES-                 | 51                                 | 6       | NON-AI DAUGHTERS | 7                      | 12,593 | 4.0  | 509 |                     |        |      |               |     |
|                         |                                    | 6       | WITH HERD-MATES  | 7                      | 12,593 | 4.0  | 509 | 43                  | 13,687 | 509  |               |     |
|                         |                                    |         |                  |                        |        |      |     | DIFF.               | 1094-  |      |               |     |





### SIRES OF DHIA DAUGHTERS

| SIRE'S C. DATA SUMMARY |            |               |                     | AV. RECORDS | PRODUCTION | OF   | DAU. | ADJ.   | HERD-MATES | AV. | PREDICTED | AV. |
|------------------------|------------|---------------|---------------------|-------------|------------|------|------|--------|------------|-----|-----------|-----|
| HOLSTEIN               |            |               |                     | NUMBER      | MILK       | TEST | FAT  | AV.    | MILK       | FAT | MILK      | FAT |
|                        |            |               |                     |             | LB         | %    | L8   | NUMBER | L8         | L8  | L8        | L8  |
| 1310004                | LIMESTONE  | DAWN          | 8EATRICE.....       |             |            |      |      |        |            |     |           |     |
| 11-19-57               | 1D38118    | 3876665       | 26 NON-AI DAUGHTERS | 3D          | 11,783     | 3.9  | 464  |        |            |     |           |     |
|                        |            | LISTED, D3-64 | 25 WITH HERD-MATES  | 29          | 11,914     | 4.0  | 474  | 42     | 14,186     | 559 |           |     |
| STATES-                | 14,16      |               |                     |             |            |      |      | DIFF.  | 2272-      | 85- |           |     |
| 1310102                | SIOUXLAND  | ANTHONY       | DAKRIDGE.....       |             |            |      |      |        |            |     |           |     |
| 07-15-57               | 1122159    | 3680D94       | 11 NON-AI DAUGHTERS | 18          | 13,491     | 3.2  | 436  |        |            |     |           |     |
|                        |            | LISTED, D8-63 | 11 WITH HERD-MATES  | 17          | 13,260     | 3.2  | 429  | 13     | 13,575     | 438 |           |     |
| STATES-                | 41         |               |                     |             |            |      |      | DIFF.  | 315-       | 9-  |           |     |
| 1310107                | CHRISTY    | MERITDR       | CAPTAIN.....        |             |            |      |      |        |            |     |           |     |
| 10-D4-57               | 1265747    | 4D68566       | 9 NON-AI DAUGHTERS  | 13          | 12,372     | 3.6  | 448  |        |            |     |           |     |
|                        |            | LISTED, 11-63 | 9 WITH HERD-MATES   | 13          | 12,372     | 3.6  | 448  | 3D     | 13,397     | 496 |           |     |
| STATES-                | 31,35      |               |                     |             |            |      |      | DIFF.  | 1025-      | 48- |           |     |
| 1310109                | CHRISTY    | MERITDR       | LANCE.....          |             |            |      |      |        |            |     |           |     |
| 11-08-57               | 1265747    | 3953185       | 18 NON-AI DAUGHTERS | 28          | 11,672     | 3.6  | 418  |        |            |     |           |     |
|                        |            | LISTED, 08-63 | 18 WITH HERD-MATES  | 28          | 11,672     | 3.6  | 418  | 2D     | 13,083     | 476 |           |     |
| STATES-                | 35         |               |                     |             |            |      |      | DIFF.  | 1411-      | 58- |           |     |
| 131013D                | LDGWODD    | GDLOEN        | RDBURKE.....        |             |            |      |      |        |            |     |           |     |
| 05-16-57               | 1D24453    | 3119062       | 9 NON-AI DAUGHTERS  | 1D          | 15,0D8     | 3.4  | 5D7  |        |            |     |           |     |
|                        |            | LISTED, 11-63 | 9 WITH HERD-MATES   | 1D          | 15,0D8     | 3.4  | 5D7  | 32     | 13,53D     | 510 |           |     |
| STATES-                | 51         |               |                     |             |            |      |      | DIFF.  | 1478       | 3-  |           |     |
| 131D141                | STRATTON   | JEWESS        | WDDMASTER.....      |             |            |      |      |        |            |     |           |     |
| 1D-12-57               | 97671D     | 3507366       | 14 NON-AI DAUGHTERS | 17          | 14,959     | 3.5  | 523  |        |            |     |           |     |
|                        |            | LISTED, D3-64 | 14 WITH HERD-MATES  | 17          | 14,959     | 3.5  | 523  | 17     | 13,982     | 495 |           |     |
| STATES-                | 84         |               |                     |             |            |      |      | DIFF.  | 977        | 28  |           |     |
| 131D398                | FDRT       | HEIGHTS       | BLACKBERRY.....     |             |            |      |      |        |            |     |           |     |
| 07-28-55               | 10D15D2    | 3946492       | 8 NON-AI DAUGHTERS  | 1D          | 14,760     | 4.0  | 589  |        |            |     |           |     |
|                        |            | LISTED, 11-63 | 8 WITH HERD-MATES   | 10          | 14,760     | 4.0  | 589  | 28     | 13,317     | 527 |           |     |
| STATES-                | 13         |               |                     |             |            |      |      | DIFF.  | 1443       | 62  |           |     |
| 131D426                | DPE        | HILL          | PILOT VERNE.....    |             |            |      |      |        |            |     |           |     |
| 12-21-56               | 1192097    | 3105582       | 10 NON-AI DAUGHTERS | 16          | 12,672     | 4.2  | 532  |        |            |     |           |     |
|                        |            | LISTED, 11-63 | 1D WITH HERD-MATES  | 16          | 12,672     | 4.2  | 532  | 19     | 14,07D     | 549 |           |     |
| STATES-                | 11,34      |               |                     |             |            |      |      | DIFF.  | 1398-      | 17- |           |     |
| 131D441                | CLYDEDALE  | CRESCENT      | KING.....           |             |            |      |      |        |            |     |           |     |
| 1D-D4-56               | 897452     | 3795449       | 9 NON-AI DAUGHTERS  | 12          | 11,124     | 3.5  | 384  |        |            |     |           |     |
|                        |            | LISTED, D1-63 | 9 WITH HERD-MATES   | 12          | 11,124     | 3.5  | 384  | 9      | 12,338     | 447 |           |     |
| STATES-                | 32,33      |               |                     |             |            |      |      | DIFF.  | 1214-      | 63- |           |     |
| 131D556                | .....      |               |                     |             |            |      |      |        |            |     |           |     |
|                        |            |               | 7 NON-AI DAUGHTERS  | 8           | 1D,528     | 3.5  | 372  |        |            |     |           |     |
| STATES-                | 42         |               | 7 WITH HERD-MATES   | 8           | 10,528     | 3.5  | 372  | 10     | 13,239     | 449 |           |     |
|                        |            |               |                     |             |            |      |      | DIFF.  | 2711-      | 77- |           |     |
| 1310621                | A8BEY      | SUSSEX        | EMPORER.....        |             |            |      |      |        |            |     |           |     |
| D4-24-57               | 103325D    | 2882659       | 15 NON-AI DAUGHTERS | 21          | 13,352     | 3.8  | 5D4  |        |            |     |           |     |
|                        |            | LISTED, D8-63 | 14 WITH HERD-MATES  | 20          | 13,782     | 3.8  | 519  | 15     | 12,895     | 482 |           |     |
| STATES-                | 51         |               |                     |             |            |      |      | DIFF.  | 887        | 37  |           |     |
| 131D625                | TALDGA     | CRESCENT      | BEAUTY LAO.....     |             |            |      |      |        |            |     |           |     |
| 11-10-57               | 1199D82    | 3717269       | 13 NON-AI DAUGHTERS | 15          | 15,488     | 3.5  | 539  |        |            |     |           |     |
|                        |            | LISTED, 03-64 | 13 WITH HERD-MATES  | 15          | 15,488     | 3.5  | 539  | 46     | 13,914     | 481 |           |     |
| STATES-                | 73         |               |                     |             |            |      |      | DIFF.  | 1574       | 58  |           |     |
| 1310711                | SANMARGALE | KING          | WIN.....            |             |            |      |      |        |            |     |           |     |
| 07-11-57               | 1285D28    | 3934065       | 9 NON-AI DAUGHTERS  | 11          | 11,219     | 3.7  | 413  |        |            |     |           |     |
|                        |            | LISTED, 11-63 | 9 WITH HERD-MATES   | 11          | 11,219     | 3.7  | 413  | 1D     | 13,23D     | 471 |           |     |
| STATES-                | 31         |               |                     |             |            |      |      | DIFF.  | 2D11-      | 58- |           |     |
| 131D743                | LARKSPUR   | CHAPPY        | REV PRINCE.....     |             |            |      |      |        |            |     |           |     |
| 06-22-57               | 1282391    | 351D9D1       | 15 NON-AI DAUGHTERS | 18          | 11,9D7     | 3.8  | 450  |        |            |     |           |     |
|                        |            | LISTED, D3-64 | 15 WITH HERD-MATES  | 18          | 11,907     | 3.8  | 45D  | 46     | 13,D41     | 483 |           |     |
| STATES-                | 42         |               |                     |             |            |      |      | DIFF.  | 1134-      | 33- |           |     |
| 131D77D                | ORMS8Y     | PABST         | CYCLONE.....        |             |            |      |      |        |            |     |           |     |
| 1D-D9-57               | 127D217    | 3788557       | 12 NON-AI DAUGHTERS | 19          | 16,364     | 3.4  | 564  |        |            |     |           |     |
|                        |            | LISTED, 08-63 | 12 WITH HERD-MATES  | 19          | 16,364     | 3.4  | 564  | 21     | 15,452     | 553 |           |     |
| STATES-                | 35,72      |               |                     |             |            |      |      | DIFF.  | 912        | 11  |           |     |
| 131D8D2                | MANCRYCD   | HDMESTEAD     | GALLANT RUE.....    |             |            |      |      |        |            |     |           |     |
| 07-1D-57               | 1216136    | 3172513       | 13 NON-AI DAUGHTERS | 17          | 15,953     | 3.7  | 585  |        |            |     |           |     |
|                        |            | LISTED, 03-64 | 13 WITH HERD-MATES  | 17          | 15,953     | 3.7  | 585  | 8      | 14,713     | 549 |           |     |
| STATES-                | 42         |               |                     |             |            |      |      | DIFF.  | 124D       | 36  |           |     |
| 131D898                | HARTDG     | INKA          | DRMS8Y.....         |             |            |      |      |        |            |     |           |     |
| 11-07-57               | 1138797    | 318199D       | 8 NON-AI DAUGHTERS  | 8           | 12,149     | 3.8  | 459  |        |            |     |           |     |
|                        |            | LISTED, D3-64 | 8 WITH HERD-MATES   | 8           | 12,149     | 3.8  | 459  | 26     | 14,3D8     | 526 |           |     |
| STATES-                | 23         |               |                     |             |            |      |      | DIFF.  | 2159-      | 67- |           |     |
| 1310916                | KYLAND     | PDPEVALE      | PREMIER.....        |             |            |      |      |        |            |     |           |     |
| 1D-13-57               | 1126392    | 3282597       | 2D NON-AI DAUGHTERS | 25          | 12,932     | 3.5  | 449  |        |            |     |           |     |
|                        |            | LISTED, 11-63 | 2D WITH HERD-MATES  | 25          | 12,932     | 3.5  | 449  | 15     | 12,952     | 461 |           |     |
| STATES-                | 35         |               |                     |             |            |      |      | DIFF.  | 20-        | 12- |           |     |
| 131D969                | .....      |               |                     |             |            |      |      |        |            |     |           |     |
|                        |            |               | 5 NON-AI DAUGHTERS  | 5           | 11,418     | 3.7  | 425  |        |            |     |           |     |
| STATES-                | 23,31      |               | 5 WITH HERD-MATES   | 5           | 11,418     | 3.7  | 425  | 19     | 13,864     | 517 |           |     |
|                        |            |               |                     |             |            |      |      | DIFF.  | 2446-      | 92- |           |     |
| 1311D12                | DAVAR      | COMET         | CHIEF.....          |             |            |      |      |        |            |     |           |     |
| 07-29-57               | 1074864    | 27562D3       | 8 NON-AI DAUGHTERS  | 12          | 9,776      | 3.9  | 38D  |        |            |     |           |     |
|                        |            | LISTED, 03-64 | 8 WITH HERD-MATES   | 11          | 10,095     | 3.9  | 392  | 7      | 12,711     | 475 |           |     |
| STATES-                | 21         |               |                     |             |            |      |      | DIFF.  | 2616-      | 83- |           |     |
| 1311D23                | U NEVADA   | DOU8LE        | ACE.....            |             |            |      |      |        |            |     |           |     |
| 04-D5-57               | 123325D    | 378D562       | 8 NON-AI DAUGHTERS  | 12          | 13,62D     | 4.1  | 553  |        |            |     |           |     |
|                        |            | LISTED, 11-63 | 8 WITH HERD-MATES   | 12          | 13,62D     | 4.1  | 553  | 17     | 13,661     | 539 |           |     |
| STATES-                | 87         |               |                     |             |            |      |      | DIFF.  | 41-        | 14  |           |     |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN  |         |        |      |     | AV. PRODUCTION OF DAU. |    |   |    | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |
|---|---------|--------|------|-----|------------------------|----|---|----|---------------------|--------|-----|---------------|-----|
|   | RECORDS | MILK   | TEST | FAT | NUMBER                 | L8 | % | L8 | NUMBER              | MILK   | FAT | MILK          | FAT |
| 1311041 HOWARD FARM RO8URKE JULE.....           |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 08-23-57 1024453 3849770 11 NON-AI DAUGHTERS    | 12      | 14,425 | 3.6  | 517 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 11-63 9 WITH HERD-MATES                 | 10      | 13,448 | 3.7  | 494 |                        |    |   |    | 7                   | 14,145 | 500 |               |     |
| STATES- 33                                      |         |        |      |     |                        |    |   |    | DIFF.               | 697-   | 6-  |               |     |
| 1311085 .....                                   |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 94-D1 4 AI DAUGHTERS-01                |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| STATES- 35 4 WITH HERD-MATES                    |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 1 NON-AI DAUGHTERS                              | 2       | 14,690 | 3.4  | 501 |                        |    |   |    | 7                   | 15,706 | 554 |               |     |
| 1 WITH HERD-MATES                               | 2       | 14,690 | 3.4  | 501 |                        |    |   |    | DIFF.               | 1016-  | 53- |               |     |
| 1311113 8RIGEEEN GOLDEN CARL.....               |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 09-D9-57 1170426 3603837 15 NON-AI DAUGHTERS    | 20      | 13,927 | 3.8  | 530 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 11-D1 LISTED, 03-64 15 WITH HERD-MATES | 20      | 13,927 | 3.8  | 530 |                        |    |   |    | 15                  | 13,960 | 527 |               |     |
| STATES- 11                                      |         |        |      |     |                        |    |   |    | DIFF.               | 33-    | 3   |               |     |
| 1311114 8RIGEEEN GOLDEN TRADEMARK.....          |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 11-01-57 1170426 3431142 34 NON-AI DAUGHTERS    | 50      | 11,607 | 3.9  | 454 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 08-63 34 WITH HERD-MATES                | 50      | 11,607 | 3.9  | 454 |                        |    |   |    | 10                  | 12,717 | 486 |               |     |
| STATES- 11                                      |         |        |      |     |                        |    |   |    | DIFF.               | 1110-  | 32- |               |     |
| 1311122 .....                                   |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| STATES- 31 6 NON-AI DAUGHTERS                   | 10      | 16,290 | 3.6  | 591 |                        |    |   |    | 7                   | 15,932 | 566 |               |     |
| 6 WITH HERD-MATES                               | 10      | 16,290 | 3.6  | 591 |                        |    |   |    | DIFF.               | 358    | 25  |               |     |
| 1311138 WHITMORE DV SOV-MARC.....               |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 11-01-57 1258439 3215988 12 NON-AI DAUGHTERS    | 15      | 12,881 | 4.1  | 528 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 11-63 12 WITH HERD-MATES                | 15      | 12,881 | 4.1  | 528 |                        |    |   |    | 27                  | 14,729 | 535 |               |     |
| STATES- 21                                      |         |        |      |     |                        |    |   |    | DIFF.               | 1848-  | 7-  |               |     |
| 1311154 .....                                   |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 33-02 6 NON-AI DAUGHTERS               | 6       | 14,220 | 3.7  | 527 |                        |    |   |    |                     |        |     |               |     |
| STATES- 31,33 6 WITH HERD-MATES                 | 6       | 14,220 | 3.7  | 527 |                        |    |   |    | 17                  | 14,137 | 498 |               |     |
|   |         |        |      |     |                        |    |   |    | DIFF.               | 83     | 29  |               |     |
| 1311195 CLAYACRES 8LACK STAR.....               |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 03-23-56 1093303 3681503 17 NON-AI DAUGHTERS    | 18      | 11,438 | 3.7  | 419 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 03-64 16 WITH HERD-MATES                | 17      | 11,409 | 3.6  | 415 |                        |    |   |    | 11                  | 11,320 | 420 |               |     |
| STATES- 34                                      |         |        |      |     |                        |    |   |    | DIFF.               | 89     | 5-  |               |     |
| 1311197 SIONILLI SIR MAN-O-WAR JESS.....        |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 11-29-56 1216957 3529544 9 NON-AI DAUGHTERS     | 15      | 11,917 | 4.0  | 477 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 08-63 9 WITH HERD-MATES                 | 15      | 11,917 | 4.0  | 477 |                        |    |   |    | 9                   | 13,279 | 505 |               |     |
| STATES- 33                                      |         |        |      |     |                        |    |   |    | DIFF.               | 1362-  | 28- |               |     |
| 1311252 .....                                   |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| STATES- 74 6 NON-AI DAUGHTERS                   | 6       | 15,380 | 3.4  | 528 |                        |    |   |    | 85                  | 14,265 | 470 |               |     |
| 6 WITH HERD-MATES                               | 6       | 15,380 | 3.4  | 528 |                        |    |   |    | DIFF.               | 1115   | 58  |               |     |
| 1311283 FULLENKAMP RAVEN PRINCE.....            |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 11-13-57 1050848 3001179 17 NON-AI DAUGHTERS    | 18      | 13,476 | 3.9  | 519 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 08-63 15 WITH HERD-MATES                | 16      | 13,752 | 3.8  | 526 |                        |    |   |    | 20                  | 14,395 | 536 |               |     |
| STATES- 31                                      |         |        |      |     |                        |    |   |    | DIFF.               | 643-   | 10- |               |     |
| 1311308 RICH-HERD COPYRIGHT.....                |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 11-15-56 915940 3885189 24 NON-AI DAUGHTERS     | 34      | 13,369 | 3.9  | 522 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 11-63 24 WITH HERD-MATES                | 34      | 13,369 | 3.9  | 522 |                        |    |   |    | 7                   | 14,301 | 524 |               |     |
| STATES- 82,87                                   |         |        |      |     |                        |    |   |    | DIFF.               | 932-   | 2-  |               |     |
| 1311329 .....                                   |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| STATES- 35 5 NON-AI DAUGHTERS                   | 7       | 13,687 | 3.8  | 519 |                        |    |   |    | 19                  | 12,750 | 470 |               |     |
| 5 WITH HERD-MATES                               | 7       | 13,687 | 3.8  | 519 |                        |    |   |    | DIFF.               | 937    | 49  |               |     |
| 1311356 OAKWOOD MAJOR WALKER COMET.....         |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 12-19-56 1024451 3031005 8 NON-AI DAUGHTERS     | 13      | 13,070 | 3.6  | 475 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 11-63 8 WITH HERD-MATES                 | 13      | 13,070 | 3.6  | 475 |                        |    |   |    | 29                  | 12,209 | 457 |               |     |
| STATES- 35                                      |         |        |      |     |                        |    |   |    | DIFF.               | 861    | 18  |               |     |
| 1311390 8ARTLY R A 8ENJIE.....                  |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 11-20-57 992855 3733052 8 NON-AI DAUGHTERS      | 11      | 12,544 | 3.6  | 446 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 11-63 8 WITH HERD-MATES                 | 11      | 12,544 | 3.6  | 446 |                        |    |   |    | 14                  | 12,526 | 465 |               |     |
| STATES- 23                                      |         |        |      |     |                        |    |   |    | DIFF.               | 18     | 19- |               |     |
| 1311429 TAGALONG 8URKGOV DAGAN.....             |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 11-24-57 1038509 3320066 19 AI DAUGHTERS-15     | 21      | 13,788 | 3.5  | 483 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 41-01 LISTED, 05-64 19 WITH HERD-MATES | 21      | 13,788 | 3.5  | 483 |                        |    |   |    | 31                  | 12,990 | 469 | 12,990        | 464 |
| STATES- 35,41,45,46                             |         |        |      |     |                        |    |   |    | DIFF.               | 798    | 14  |               |     |
| 1311446 HOWACRES HOMESTEAD TDNY.....            |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 11-18-57 1038118 3140718 9 NON-AI DAUGHTERS     | 13      | 11,947 | 3.7  | 438 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 05-64 9 WITH HERD-MATES                 | 13      | 11,947 | 3.7  | 438 |                        |    |   |    | 7                   | 11,379 | 420 |               |     |
| STATES- 12                                      |         |        |      |     |                        |    |   |    | DIFF.               | 568    | 18  |               |     |
| 1311469 MAVIEW MAGNUS PILOT.....                |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 10-26-57 1094305 3755885 11 NON-AI DAUGHTERS    | 12      | 13,626 | 3.5  | 479 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 03-64 11 WITH HERD-MATES                | 12      | 13,626 | 3.5  | 479 |                        |    |   |    | 18                  | 13,371 | 509 |               |     |
| STATES- 11                                      |         |        |      |     |                        |    |   |    | DIFF.               | 255    | 30- |               |     |
| 1311483 .....                                   |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| STATES- 21,35,84 6 NON-AI DAUGHTERS             | 9       | 12,916 | 3.5  | 453 |                        |    |   |    | 18                  | 13,941 | 497 |               |     |
| 5 WITH HERD-MATES                               | 8       | 13,539 | 3.5  | 477 |                        |    |   |    | DIFF.               | 402-   | 20- |               |     |
| 1311488 CARNATION MADCAP LOYALTY.....           |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 08-05-57 1152252 3854299 21 NON-AI DAUGHTERS    | 28      | 12,507 | 3.9  | 484 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 87-01 LISTED, 03-64 20 WITH HERD-MATES | 27      | 12,662 | 3.9  | 491 |                        |    |   |    | 19                  | 14,369 | 549 |               |     |
| STATES- 87                                      |         |        |      |     |                        |    |   |    | DIFF.               | 1707-  | 58- |               |     |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |
|--|------------------------|--------|------|-----|---------------------|--------|-----|---------------|-----|
|  | RECORDS                | MILK   | TEST | FAT | AV.                 | MILK   | FAT | MILK          | FAT |
|  | NUMBER                 | LB     | %    | LB  | NUMBER              | LB     | LB  | LB            | LB  |
| 1311564 RELLUM SIR FDBES REGAL.....                                |                        |        |      |     |                     |        |     |               |     |
| 01-01-57 1181781 3511395 17 NDN-AI DAUGHTERS                       | 24                     | 14,081 | 3.5  | 495 |                     |        |     |               |     |
| AI STUD, 42-02 LISTED, 05-64 16 WITH HERD-MATES                    | 23                     | 14,253 | 3.5  | 504 | 9                   | 13,648 | 493 |               |     |
| STATES- 42   |                        |        |      |     | DIFF.               | 605    | 11  |               |     |
| 1311593 .....  |                        |        |      |     |                     |        |     |               |     |
| STATES- 46   | 7                      | 13,484 | 4.2  | 567 | 7                   | 12,586 | 491 |               |     |
|  | 7                      | 13,484 | 4.2  | 567 | DIFF.               | 898    | 76  |               |     |
| 1311635 .....  |                        |        |      |     |                     |        |     |               |     |
| STATES- 35   | 5                      | 11,764 | 3.3  | 393 | 11                  | 11,709 | 402 |               |     |
|  | 5                      | 11,764 | 3.3  | 393 | DIFF.               | 55     | 9-  |               |     |
| 1311794 SKOKIE DUNLOGGIN 8DY.....                                  |                        |        |      |     |                     |        |     |               |     |
| 11-27-57 1282185 3395112 132 AI DAUGHTERS-25*                      | 143                    | 13,284 | 3.8  | 500 |                     |        |     |               |     |
| AI STUD, 33-03 LISTED, 05-64 130 WITH HERD-MATES                   | 140                    | 13,312 | 3.8  | 502 | 15                  | 13,310 | 493 | 12,549        | 467 |
| STATES- 11,12,13,14,16,21,23, 31,32,33,34,35,41,42,51,52,71, 91,93 |                        |        |      |     | DIFF.               | 2      | 9   |               |     |
| 1311803 LAWARA QUINAN.....   |                        |        |      |     |                     |        |     |               |     |
| 10-12-57 1253200 2815413 15 NDN-AI DAUGHTERS                       | 24                     | 11,928 | 4.0  | 474 |                     |        |     |               |     |
| LISTED, 08-63 15 WITH HERD-MATES                                   | 24                     | 11,928 | 4.0  | 474 | 14                  | 13,341 | 502 |               |     |
| STATES- 23   |                        |        |      |     | DIFF.               | 1413-  | 28- |               |     |
| 1311863 TALDGA NIG GENERAL PEPPER.....                             |                        |        |      |     |                     |        |     |               |     |
| 12-02-57 1260405 2745569 9 NDN-AI DAUGHTERS                        | 9                      | 12,180 | 3.6  | 438 |                     |        |     |               |     |
| LISTED, 05-64 9 WITH HERD-MATES                                    | 9                      | 12,180 | 3.6  | 438 | 18                  | 12,914 | 455 |               |     |
| STATES- 43,73  |                        |        |      |     | DIFF.               | 734-   | 17- |               |     |
| 1311883 .....  |                        |        |      |     |                     |        |     |               |     |
| STATES- 23   | 6                      | 13,075 | 3.8  | 497 | 21                  | 11,919 | 436 |               |     |
|  | 6                      | 13,075 | 3.8  | 497 | DIFF.               | 1156   | 61  |               |     |
| 1311905 .....  |                        |        |      |     |                     |        |     |               |     |
| STATES- 21   | 5                      | 12,322 | 3.7  | 455 | 24                  | 15,640 | 600 |               |     |
|  | 4                      | 13,773 | 3.7  | 511 | DIFF.               | 1867-  | 89- |               |     |
| 1311923 SISSONS FARMS PIEBE KING ZIGD.....                         |                        |        |      |     |                     |        |     |               |     |
| 07-04-57 1194979 3395158 20 NDN-AI DAUGHTERS                       | 26                     | 13,195 | 3.3  | 442 |                     |        |     |               |     |
| LISTED, 03-64 20 WITH HERD-MATES                                   | 26                     | 13,195 | 3.3  | 442 | 9                   | 12,560 | 452 |               |     |
| STATES- 23   |                        |        |      |     | DIFF.               | 635    | 10- |               |     |
| 1311968 ROCKCD HERD TITAN.....                                     |                        |        |      |     |                     |        |     |               |     |
| 09-17-56 1145882 3351738 18 NDN-AI DAUGHTERS                       | 23                     | 14,103 | 4.2  | 596 |                     |        |     |               |     |
| LISTED, 03-64 18 WITH HERD-MATES                                   | 23                     | 14,103 | 4.2  | 596 | 16                  | 14,065 | 583 |               |     |
| STATES- 12,14  |                        |        |      |     | DIFF.               | 38     | 13  |               |     |
| 1312008 GEDBETH ARABEL 8EN.....                                    |                        |        |      |     |                     |        |     |               |     |
| 09-25-57 905683 3703457 140 AI DAUGHTERS-25*                       | 184                    | 13,877 | 3.8  | 525 |                     |        |     |               |     |
| AI STUD, 21-01 LISTED, 05-64 138 WITH HERD-MATES                   | 182                    | 13,853 | 3.8  | 524 | 21                  | 13,727 | 499 | 12,703        | 482 |
| STATES- 13,21,23,72  |                        |        |      |     | DIFF.               | 126    | 25  |               |     |
| 1312024 WALSTONS BURKE IDEAL A P -TWIN.....                        |                        |        |      |     |                     |        |     |               |     |
| 09-17-57 1013415 2996399 15 NDN-AI DAUGHTERS                       | 23                     | 14,365 | 3.4  | 486 |                     |        |     |               |     |
| AI STUD, 42-02 LISTED, 05-64 15 WITH HERD-MATES                    | 23                     | 14,365 | 3.4  | 486 | 8                   | 13,429 | 479 |               |     |
| STATES- 42   |                        |        |      |     | DIFF.               | 936    | 7   |               |     |
| 1312046 .....  |                        |        |      |     |                     |        |     |               |     |
| STATES- 92   | 6                      | 13,182 | 3.8  | 502 | 3                   | 12,177 | 447 |               |     |
|  | 6                      | 13,182 | 3.8  | 502 | DIFF.               | 1005   | 55  |               |     |
| 1312109 CANARY KING COLANTHA DRMSBY.....                           |                        |        |      |     |                     |        |     |               |     |
| 04-10-57 1299984 2521090 25 NDN-AI DAUGHTERS                       | 32                     | 12,270 | 3.6  | 446 |                     |        |     |               |     |
| LISTED, 03-64 25 WITH HERD-MATES                                   | 32                     | 12,270 | 3.6  | 446 | 35                  | 12,952 | 480 |               |     |
| STATES- 51   |                        |        |      |     | DIFF.               | 682-   | 34- |               |     |
| 1312153 SHORE LINE LEADER SUPREME.....                             |                        |        |      |     |                     |        |     |               |     |
| 01-19-57 915940 3370570 9 NDN-AI DAUGHTERS                         | 13                     | 14,456 | 3.8  | 554 |                     |        |     |               |     |
| LISTED, 08-63 9 WITH HERD-MATES                                    | 12                     | 14,623 | 3.8  | 559 | 16                  | 14,514 | 543 |               |     |
| STATES- 14,16  |                        |        |      |     | DIFF.               | 109    | 16  |               |     |
| 1312167 .....  |                        |        |      |     |                     |        |     |               |     |
| STATES- 91   | 11                     | 13,185 | 3.7  | 484 | 17                  | 15,006 | 549 |               |     |
|  | 11                     | 13,185 | 3.7  | 484 | DIFF.               | 1821-  | 65- |               |     |
| 1312188 CRESTON TREASURE TRIUNE.....                               |                        |        |      |     |                     |        |     |               |     |
| 11-10-57 1028260 3361385 12 NDN-AI DAUGHTERS                       | 14                     | 9,224  | 3.9  | 358 |                     |        |     |               |     |
| LISTED, 11-63 12 WITH HERD-MATES                                   | 14                     | 9,224  | 3.9  | 358 | 5                   | 10,372 | 377 |               |     |
| STATES- 34   |                        |        |      |     | DIFF.               | 1148-  | 19- |               |     |
| 1312208 .....  |                        |        |      |     |                     |        |     |               |     |
| STATES- 31   | 7                      | 9,294  | 3.7  | 341 | 8                   | 10,331 | 373 |               |     |
|  | 6                      | 9,772  | 3.7  | 361 | DIFF.               | 559-   | 12- |               |     |
| 1312259 .....  |                        |        |      |     |                     |        |     |               |     |
| STATES- 51,54  | 10                     | 13,056 | 3.6  | 466 | 16                  | 12,424 | 467 |               |     |
|  | 10                     | 13,056 | 3.6  | 466 | DIFF.               | 632    | 1-  |               |     |
| 1312279 GATESCO STYLEMASTER INKA.....                              |                        |        |      |     |                     |        |     |               |     |
| 10-27-57 1228879 3902638 11 NDN-AI DAUGHTERS                       | 12                     | 14,345 | 3.9  | 554 |                     |        |     |               |     |
| LISTED, 11-63 11 WITH HERD-MATES                                   | 12                     | 14,345 | 3.9  | 554 | 71                  | 14,752 | 552 |               |     |
| STATES- 21   |                        |        |      |     | DIFF.               | 407-   | 2   |               |     |
| 1312326 AIRY DOWNS INSPIRATION SEGIS.....                          |                        |        |      |     |                     |        |     |               |     |
| 11-04-57 1149833 3307289 23 NDN-AI DAUGHTERS                       | 29                     | 15,034 | 4.0  | 597 |                     |        |     |               |     |
| LISTED, 11-63 23 WITH HERD-MATES                                   | 29                     | 15,034 | 4.0  | 597 | 9                   | 14,161 | 509 |               |     |
| STATES- 23   |                        |        |      |     | DIFF.               | 873    | 88  |               |     |



| SIRE OF OHIA DAUGHTERS                           |  |  |  | AV. PRODUCTION OF DAU. |            |           |           | AV. HERO-MATES AV. |            |           | PREDICTED AV. |           |
|--|--|--|--|------------------------|------------|-----------|-----------|--------------------|------------|-----------|---------------|-----------|
| HDLSTEIN   |  |  |  | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | AV.<br>NUMBER      | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1312472 SUSQUESEGD ALAN RDMED REGAL.....         |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 11-27-57 1283313 3521458 12 NDN-AI DAUGHTERS     |  |  |  | 12                     | 12,638     | 3.7       | 473       |                    |            |           |               |           |
| LISTED, 03-64 12 WITH HERD-MATES                 |  |  |  | 12                     | 12,638     | 3.7       | 473       | 49                 | 13,198     | 471       |               |           |
| STATES- 21                                       |  |  |  |                        |            |           |           | DIFF.              | 560-       | 2         |               |           |
| 1312475 RDSNI DAUNTLESS MASTER.....              |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 09-23-57 1066477 3713628 8 NDN-AI DAUGHTERS      |  |  |  | 11                     | 14,653     | 3.7       | 535       |                    |            |           |               |           |
| LISTED, 11-63 8 WITH HERD-MATES                  |  |  |  | 11                     | 14,653     | 3.7       | 535       | 29                 | 13,556     | 509       |               |           |
| STATES- 52                                       |  |  |  |                        |            |           |           | OIFF.              | 1097       | 26        |               |           |
| 1312581 POSCH MDWRY CYCLONE EMPERDR.....         |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 09-20-57 1270218 3524913 8 NDN-AI DAUGHTERS      |  |  |  | 10                     | 12,974     | 3.6       | 468       |                    |            |           |               |           |
| LISTED, 03-64 8 WITH HERD-MATES                  |  |  |  | 10                     | 12,974     | 3.6       | 468       | 14                 | 13,298     | 489       |               |           |
| STATES- 23,51                                    |  |  |  |                        |            |           |           | DIFF.              | 324-       | 21-       |               |           |
| 1312595 WES-B-DDN ECHO TDWERLINE - TWIN.....     |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 07-19-57 1004232 3529204 11 NDN-AI DAUGHTERS     |  |  |  | 12                     | 15,525     | 4.0       | 625       |                    |            |           |               |           |
| LISTED, 05-64 11 WITH HERD-MATES                 |  |  |  | 12                     | 15,525     | 4.0       | 625       | 6                  | 13,536     | 516       |               |           |
| STATES- 41                                       |  |  |  |                        |            |           |           | OIFF.              | 1989       | 109       |               |           |
| 1312645 MDSEHEART ROBURKE COUNT.....             |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 08-01-57 1024453 3625664 16 NDN-AI DAUGHTERS     |  |  |  | 24                     | 14,536     | 3.5       | 508       |                    |            |           |               |           |
| LISTED, 01-63 16 WITH HERD-MATES                 |  |  |  | 23                     | 14,580     | 3.5       | 510       | 24                 | 14,008     | 507       |               |           |
| STATES- 32                                       |  |  |  |                        |            |           |           | DIFF.              | 572        | 3         |               |           |
| 1312698 .....                                    |  |  |  |                        |            |           |           |                    |            |           |               |           |
| STATES- 52                                       |  |  |  | 9                      | 12,202     | 3.7       | 453       |                    |            |           |               |           |
|  |  |  |  | 9                      | 12,202     | 3.7       | 453       | 30                 | 12,740     | 492       |               |           |
|  |  |  |  |                        |            |           |           | OIFF.              | 538-       | 39-       |               |           |
| 1312841 BRIDGE LEA SDVEREIGN JDHN.....           |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 03-17-55 010217549 010923840 11 NON-AI DAUGHTERS |  |  |  | 12                     | 13,440     | 3.5       | 475       |                    |            |           |               |           |
| LISTED, 11-63 10 WITH HERD-MATES                 |  |  |  | 11                     | 13,462     | 3.6       | 481       | 29                 | 12,524     | 442       |               |           |
| STATES- 13,21                                    |  |  |  |                        |            |           |           | OIFF.              | 938        | 39        |               |           |
| 1312865 PENSTATE LE TY VIC STAR.....             |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 07-24-57 1187680 3108401 21 NDN-AI DAUGHTERS     |  |  |  | 21                     | 10,638     | 4.0       | 423       |                    |            |           |               |           |
| LISTED, 11-63 21 WITH HERD-MATES                 |  |  |  | 21                     | 10,638     | 4.0       | 423       | 40                 | 12,357     | 483       |               |           |
| STATES- 51,52                                    |  |  |  |                        |            |           |           | DIFF.              | 1719-      | 60-       |               |           |
| 1312920 D A S DICTATOR TIM.....                  |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 04-01-57 1245022 4197795 9 NDN-AI DAUGHTERS      |  |  |  | 13                     | 13,610     | 3.8       | 519       |                    |            |           |               |           |
| LISTED, 05-64 9 WITH HERD-MATES                  |  |  |  | 13                     | 13,610     | 3.8       | 519       | 10                 | 13,241     | 498       |               |           |
| STATES- 32                                       |  |  |  |                        |            |           |           | DIFF.              | 369        | 21        |               |           |
| 1312981 SHAWS SCHODLMASER CRETE.....             |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 11-21-57 1181068 2988339 111 AI DAUGHTERS-25*    |  |  |  | 126                    | 12,987     | 3.6       | 468       |                    |            |           |               |           |
| AI STUD, 61-01 LISTED, 05-64 109 WITH HERD-MATES |  |  |  | 124                    | 13,001     | 3.6       | 468       | 17                 | 12,873     | 465       | 12,622        | 459       |
| STATES- 61,63                                    |  |  |  |                        |            |           |           | DIFF.              | 128        | 3         |               |           |
|  |  |  |  | 5                      | 13,260     | 3.7       | 496       |                    |            |           |               |           |
|  |  |  |  | 5                      | 13,260     | 3.7       | 496       | 25                 | 13,186     | 482       |               |           |
|  |  |  |  |                        |            |           |           | DIFF.              | 74         | 14        |               |           |
| 1312987 RANOMERE PILDT GERRY.....                |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 10-26-57 1094305 3757675 9 NDN-AI DAUGHTERS      |  |  |  | 13                     | 10,362     | 4.3       | 450       |                    |            |           |               |           |
| LISTED, 11-63 9 WITH HERD-MATES                  |  |  |  | 13                     | 10,362     | 4.3       | 450       | 22                 | 11,592     | 444       |               |           |
| STATES- 11                                       |  |  |  |                        |            |           |           | DIFF.              | 1230-      | 6         |               |           |
| 1313069 KAR DRMSBY ZIMMERMAN.....                |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 11-24-57 1216909 3227201 9 NDN-AI DAUGHTERS      |  |  |  | 9                      | 11,877     | 3.8       | 447       |                    |            |           |               |           |
| LISTED, 03-64 9 WITH HERD-MATES                  |  |  |  | 9                      | 11,877     | 3.8       | 447       | 24                 | 12,886     | 487       |               |           |
| STATES- 23                                       |  |  |  |                        |            |           |           | OIFF.              | 1009-      | 40-       |               |           |
| 1313097 MYRD SHDWBDY BUSTER - TWIN.....          |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 08-19-57 1240355 3826332 22 NON-AI DAUGHTERS     |  |  |  | 23                     | 10,666     | 3.8       | 405       |                    |            |           |               |           |
| LISTED, 11-63 22 WITH HERD-MATES                 |  |  |  | 23                     | 10,666     | 3.8       | 405       | 17                 | 12,072     | 429       |               |           |
| STATES- 41                                       |  |  |  |                        |            |           |           | OIFF.              | 1406-      | 24-       |               |           |
| 1313127 .....                                    |  |  |  |                        |            |           |           |                    |            |           |               |           |
| STATES- 45                                       |  |  |  | 5                      | 10,472     | 3.6       | 377       |                    |            |           |               |           |
|  |  |  |  | 5                      | 10,472     | 3.6       | 377       | 10                 | 11,467     | 401       |               |           |
|  |  |  |  |                        |            |           |           | OIFF.              | 995-       | 24-       |               |           |
| 1313136 .....                                    |  |  |  |                        |            |           |           |                    |            |           |               |           |
| STATES- 23                                       |  |  |  | 6                      | 16,379     | 3.8       | 629       |                    |            |           |               |           |
|  |  |  |  | 6                      | 16,379     | 3.8       | 629       | 21                 | 15,135     | 591       |               |           |
|  |  |  |  |                        |            |           |           | DIFF.              | 1244       | 38        |               |           |
| 1313245 JEVERLANO CENTURION ORMSBY.....          |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 10-15-57 1278842 3334976 11 NDN-AI DAUGHTERS     |  |  |  | 12                     | 13,766     | 3.5       | 483       |                    |            |           |               |           |
| LISTED, 05-64 11 WITH HERD-MATES                 |  |  |  | 12                     | 13,766     | 3.5       | 483       | 27                 | 15,212     | 546       |               |           |
| STATES- 21                                       |  |  |  |                        |            |           |           | DIFF.              | 1446-      | 63-       |               |           |
| 1313301 .....                                    |  |  |  |                        |            |           |           |                    |            |           |               |           |
| STATES- 14                                       |  |  |  | 6                      | 9,957      | 3.7       | 372       |                    |            |           |               |           |
|  |  |  |  | 6                      | 9,957      | 3.7       | 372       | 22                 | 12,157     | 435       |               |           |
|  |  |  |  |                        |            |           |           | DIFF.              | 2200-      | 63-       |               |           |
| 1313339 VISTA GRANDE WOODMASTER SUPER.....       |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 02-25-57 1168575 3568425 14 NDN-AI DAUGHTERS     |  |  |  | 19                     | 14,513     | 3.6       | 528       |                    |            |           |               |           |
| LISTED, 11-63 14 WITH HERD-MATES                 |  |  |  | 19                     | 14,513     | 3.6       | 528       | 4                  | 12,987     | 466       |               |           |
| STATES- 57                                       |  |  |  |                        |            |           |           | DIFF.              | 1526       | 62        |               |           |
| 1313364 RDBURKE PHILMAR PRIDE.....               |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 02-09-57 1024453 3482594 12 NDN-AI DAUGHTERS     |  |  |  | 19                     | 13,270     | 3.8       | 498       |                    |            |           |               |           |
| LISTED, 08-63 12 WITH HERD-MATES                 |  |  |  | 19                     | 13,270     | 3.8       | 498       | 13                 | 14,100     | 520       |               |           |
| STATES- 21                                       |  |  |  |                        |            |           |           | OIFF.              | 830-       | 22-       |               |           |
| 1313417 HICKDRYVALE TRUSTEE GENERAL.....         |  |  |  |                        |            |           |           |                    |            |           |               |           |
| 07-17-57 1246308 3932672 9 NON-AI DAUGHTERS      |  |  |  | 12                     | 11,399     | 4.0       | 460       |                    |            |           |               |           |
| LISTED, 11-63 9 WITH HERD-MATES                  |  |  |  | 12                     | 11,399     | 4.0       | 460       | 22                 | 13,134     | 488       |               |           |
| STATES- 51                                       |  |  |  |                        |            |           |           | DIFF.              | 1735-      | 28-       |               |           |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF DAU. | AV. HERO-MATES AV. | PREOICTED AV. |
|--|------------------------|--------------------|---------------|
|  | RECORDS MILK TEST FAT  | AV. MILK FAT       | MILK FAT      |
|  | NUMBER LB % LB         | NUMBER LB LB       | L8 L8         |
| 1313490 ATHLONE LEADER.....  |                        |                    |               |
| 12-26-57 915940 2801182 78 AI DAUGHTERS-25*                              | 82 13,843 3.6 497      |                    |               |
| AI STUO, 33-03 LISTED, 05-64 77 WITH HERO-MATES                          | 81 13,912 3.6 499      | 16 13,641 501      | 12,805 458    |
| STATES- 13,14,16,21,22,23,31, 32,33,34,35,41,42,43,48,50,51, 52,54,55,92 | 1 14,310 4.1 584       | DIFF. 271 2-       |               |
|  | 1 14,310 4.1 584       | 20 14,779 551      |               |
|  |                        | DIFF. 469- 33      |               |
| 1313498 PRINCE DA-MA-WAY SPIES.....                                      |                        |                    |               |
| 07-06-56 1242834 2697059 12 NON-AI DAUGHTERS                             | 16 12,139 3.6 433      |                    |               |
| LISTED, 11-63 12 WITH HERO-MATES   | 16 12,139 3.6 433      | 7 12,257 426       |               |
| STATES- 42   |                        | DIFF. 118- 7       |               |
| 1313527 .....  |                        |                    |               |
|  | 11 12,183 3.6 443      |                    |               |
| STATES- 55   | 12 12,183 3.6 443      | 22 11,608 430      |               |
|  |                        | DIFF. 575 13       |               |
| 1313579 NORTHCROFT ARISTOCRAT PONTIAC.....                               |                        |                    |               |
| 12-11-57 1124780 3931276 17 NON-AI DAUGHTERS                             | 22 14,905 3.6 544      |                    |               |
| LISTED, 03-64 17 WITH HERO-MATES   | 22 14,905 3.6 544      | 14 15,198 557      |               |
| STATES- 21   |                        | DIFF. 293- 13-     |               |
| 1313635 .....  |                        |                    |               |
|  | 5 13,812 3.6 492       |                    |               |
| STATES- 32   | 6 13,812 3.6 492       | 34 12,910 466      |               |
|  |                        | DIFF. 902 26       |               |
| 1313675 LOCVALE CRETE CROSS.....   |                        |                    |               |
| 05-05-57 972500 2366165 9 NON-AI DAUGHTERS                               | 14 11,871 3.7 444      |                    |               |
| LISTED, 01-63 9 WITH HERO-MATES  | 14 11,871 3.7 444      | 15 12,869 479      |               |
| STATES- 51,55  |                        | DIFF. 998- 35-     |               |
| 1313752 AMES A. BANKER.....  |                        |                    |               |
| 06-14-57 1249364 4055929 11 NON-AI DAUGHTERS                             | 12 17,885 3.5 626      |                    |               |
| LISTED, 01-63 11 WITH HERO-MATES   | 12 17,885 3.5 626      | 18 16,879 597      |               |
| STATES- 42   |                        | DIFF. 1006 29      |               |
| 1313775 .....  |                        |                    |               |
|  | 5 13,248 3.3 443       |                    |               |
| STATES- 43   | 5 13,248 3.3 443       | 9 12,809 433       |               |
|  |                        | DIFF. 439 10       |               |
| 1313848 FONTANA ROYAL MATAOOR.....                                       |                        |                    |               |
| 08-18-56 1117168 3288673 5 NON-AI DAUGHTERS                              | 7 13,875 3.7 510       |                    |               |
| LISTED, 05-64 5 WITH HERO-MATES  | 7 13,875 3.7 510       | 12 13,324 488      |               |
| STATES- 51   |                        | DIFF. 551 22       |               |
| 1313861 RIVCRES CARNATION LADDIE BOY.....                                |                        |                    |               |
| 09-15-57 1265752 4249401 5 NON-AI DAUGHTERS                              | 5 11,958 3.3 390       |                    |               |
| LISTED, 05-64 5 WITH HERO-MATES  | 5 11,958 3.3 390       | 44 12,773 420      |               |
| STATES- 22,74  |                        | DIFF. 815- 30-     |               |
| 1313869 .....  |                        |                    |               |
|  | 8 12,314 3.5 434       |                    |               |
| STATES- 31   | 8 12,314 3.5 434       | 11 13,705 490      |               |
|  |                        | DIFF. 1391- 56-    |               |
| 1313975 ELM RIDGE BUTTER BOY KNIGHT.....                                 |                        |                    |               |
| 11-01-57 1221552 3787880 15 NON-AI DAUGHTERS                             | 18 13,871 3.8 526      |                    |               |
| LISTED, 03-64 15 WITH HERO-MATES   | 18 13,871 3.8 526      | 13 13,261 482      |               |
| STATES- 35   |                        | DIFF. 610 44       |               |
| 1313976 ELM RIDGE F08ES KNIGHT.....                                      |                        |                    |               |
| 12-21-57 1221552 2896978 13 NON-AI DAUGHTERS                             | 16 14,421 4.1 594      |                    |               |
| LISTED, 11-63 13 WITH HERO-MATES   | 16 14,421 4.1 594      | 20 14,951 596      |               |
| STATES- 35   |                        | DIFF. 530- 2-      |               |
| 1313992 .....  |                        |                    |               |
|  | 5 14,827 3.6 538       |                    |               |
| STATES- 15,16,21   | 7 14,827 3.6 538       | 49 15,019 551      |               |
|  |                        | DIFF. 192- 13-     |               |
| 1313997 MASTER COMET PA8ST.....  |                        |                    |               |
| 07-20-57 1075610 3601640 29 NON-AI DAUGHTERS                             | 40 12,734 3.6 462      |                    |               |
| LISTED, 03-64 29 WITH HERO-MATES   | 40 12,734 3.6 462      | 12 11,775 435      |               |
| STATES- 23   |                        | DIFF. 959 27       |               |
| 1314020 PLEASANTLAND REGAL PDNTIAC LAO.....                              |                        |                    |               |
| 07-27-57 1237594 3441535 14 NON-AI DAUGHTERS                             | 19 14,543 3.0 434      |                    |               |
| LISTED, 11-63 14 WITH HERO-MATES   | 19 14,543 3.0 434      | 5 13,278 446       |               |
| STATES- 33   |                        | DIFF. 1265 12-     |               |
| 1314037 MAYERS SENSATION MAJOR -TWIN.....                                |                        |                    |               |
| 11-26-56 1171327 3803506 15 NON-AI DAUGHTERS                             | 25 13,981 3.9 547      |                    |               |
| LISTED, 08-63 15 WITH HERO-MATES   | 25 13,981 3.9 547      | 13 13,945 535      |               |
| STATES- 32,65  |                        | DIFF. 36 12        |               |
| 1314039 .....  |                        |                    |               |
|  | 6 13,558 3.4 455       |                    |               |
| STATES- 35   | 8 13,558 3.4 455       | 7 11,680 420       |               |
|  |                        | DIFF. 1878 35      |               |
| 1314085 PALO OURO GOLOEN WALKER.....                                     |                        |                    |               |
| 08-22-57 1079736 3724895 10 NON-AI DAUGHTERS                             | 13 16,580 3.9 639      |                    |               |
| LISTED, 11-63 10 WITH HERO-MATES   | 13 16,580 3.9 639      | 12 16,440 614      |               |
| STATES- 74   |                        | DIFF. 140 25       |               |
| 1314099 THONYMA NETHERLAND PRINCE.....                                   |                        |                    |               |
| 05-22-57 1233487 3186458 13 NON-AI DAUGHTERS                             | 17 15,448 3.5 538      |                    |               |
| LISTED, 03-64 13 WITH HERO-MATES   | 17 15,448 3.5 538      | 12 14,288 503      |               |
| STATES- 42   |                        | DIFF. 1160 35      |               |

| SIRE OF DHIA DAUGHTERS                      |               |         |                     | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|---|---------------|---------|---------------------|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
| HOLSTEIN                                    |               |         |                     | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | AV.<br>NUMBER       | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1314114 ODREIGH FARMS ARISTOCRAT WAYNE..... |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 10-20-57                                    | 1124780       | 3442825 | 8 NON-AI DAUGHTERS  | 14                     | 14,133     | 3.9       | 548       |                     |            |           |               |           |
|   | LISTED, 08-63 |         | 8 WITH HERD-MATES   | 14                     | 14,133     | 3.9       | 548       | 22                  | 15,359     | 583       |               |           |
| STATES- 21                                  |               |         |                     |                        |            |           |           | OIFF.               | 1226-      | 35-       |               |           |
| 1314184 PALO DURO PRINCE ROCK.....          |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 11-25-56                                    | 1042670       | 3879297 | 13 NON-AI DAUGHTERS | 14                     | 11,870     | 3.8       | 448       |                     |            |           |               |           |
|   | LISTED, 03-64 |         | 13 WITH HERD-MATES  | 14                     | 11,870     | 3.8       | 448       | 7                   | 12,043     | 468       |               |           |
| STATES- 42                                  |               |         |                     |                        |            |           |           | DIFF.               | 173-       | 20-       |               |           |
| 1314185 PALO DURO GOLDEN WALKER.....        |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 08-22-57                                    | 1079736       | 3724895 | 8 NON-AI DAUGHTERS  | 8                      | 13,000     | 3.4       | 445       |                     |            |           |               |           |
|   | LISTED, 03-64 |         | 8 WITH HERD-MATES   | 8                      | 13,000     | 3.4       | 445       | 8                   | 12,805     | 453       |               |           |
| STATES- 42                                  |               |         |                     |                        |            |           |           | OIFF.               | 195        | 8-        |               |           |
| 1314196 LONGSWAMP SI ADONIS.....            |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 05-27-57                                    | 1263959       | 3392273 | 11 NON-AI DAUGHTERS | 15                     | 15,762     | 3.6       | 568       |                     |            |           |               |           |
|   | LISTED, 08-63 |         | 11 WITH HERD-MATES  | 15                     | 15,762     | 3.6       | 568       | 5                   | 14,027     | 524       |               |           |
| STATES- 32                                  |               |         |                     |                        |            |           |           | OIFF.               | 1735       | 44        |               |           |
| 1314201 MAPLE GROVE ARISTOCRAT MAJOR.....   |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 09-15-57                                    | 1124780       | 3356584 | 12 NON-AI DAUGHTERS | 14                     | 13,479     | 3.5       | 470       |                     |            |           |               |           |
|   | LISTED, 03-64 |         | 11 WITH HERD-MATES  | 12                     | 13,833     | 3.5       | 485       | 15                  | 13,866     | 491       |               |           |
| STATES- 21                                  |               |         |                     |                        |            |           |           | DIFF.               | 33-        | 6-        |               |           |
| 1314280 NO HOME HEWEY.....                  |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 09-08-57                                    | 1246685       | 4131190 | 9 NON-AI DAUGHTERS  | 10                     | 13,482     | 3.3       | 450       |                     |            |           |               |           |
|   | LISTED, 03-64 |         | 9 WITH HERD-MATES   | 10                     | 13,482     | 3.3       | 450       | 12                  | 13,763     | 484       |               |           |
| STATES- 35                                  |               |         |                     |                        |            |           |           | DIFF.               | 281-       | 34-       |               |           |
| 1314325 CHAIRALANE TRANSMITTER ATLAS.....   |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 09-11-57                                    | 1154225       | 4172612 | 8 NON-AI DAUGHTERS  | 10                     | 11,553     | 3.9       | 448       |                     |            |           |               |           |
|   | LISTED, 03-64 |         | 8 WITH HERD-MATES   | 10                     | 11,553     | 3.9       | 448       | 26                  | 12,181     | 448       |               |           |
| STATES- 91                                  |               |         |                     |                        |            |           |           | OIFF.               | 628-       |           |               |           |
| 1314326 CHAIRALANE TRANSMITTER FLOPNIK..... |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 11-03-56                                    | 1154225       | 4172613 | 10 NON-AI DAUGHTERS | 12                     | 14,449     | 4.2       | 603       |                     |            |           |               |           |
|   | LISTED, 11-63 |         | 10 WITH HERD-MATES  | 12                     | 14,449     | 4.2       | 603       | 21                  | 14,782     | 587       |               |           |
| STATES- 82,91                               |               |         |                     |                        |            |           |           | DIFF.               | 333-       | 16        |               |           |
| 1314327 TREDSTIS VILLE BUTTER BOY LAO.....  |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 09-06-57                                    | 1152252       | 2814143 | 15 NON-AI DAUGHTERS | 18                     | 15,042     | 4.2       | 628       |                     |            |           |               |           |
|   | LISTED, 11-63 |         | 15 WITH HERD-MATES  | 18                     | 15,042     | 4.2       | 628       | 23                  | 15,628     | 627       |               |           |
| STATES- 82,87,91                            |               |         |                     |                        |            |           |           | DIFF.               | 586-       | 1         |               |           |
| 1314329 .....                               |               |         |                     |                        |            |           |           |                     |            |           |               |           |
|   |               |         | 10 NON-AI DAUGHTERS | 10                     | 13,297     | 3.6       | 478       |                     |            |           |               |           |
| STATES- 31                                  |               |         | 9 WITH HERD-MATES   | 9                      | 14,138     | 3.6       | 507       | 17                  | 13,641     | 492       |               |           |
|   |               |         |                     |                        |            |           |           | DIFF.               | 497        | 15        |               |           |
| 1314336 WEED FARMS BEL EDWIN.....           |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 11-08-57                                    | 905683        | 3395276 | 69 AI DAUGHTERS-25* | 83                     | 13,908     | 3.7       | 513       |                     |            |           |               |           |
| AI STUO, 21-01                              | LISTED, 05-64 |         | 69 WITH HERD-MATES  | 83                     | 13,908     | 3.7       | 513       | 23                  | 13,867     | 502       | 12,625        | 469       |
| STATES- 13,21,23                            |               |         |                     |                        |            |           |           | OIFF.               | 41         | 11        |               |           |
| 1314369 PRINCE BELL RINGER.....             |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 08-25-57                                    | 1273130       | 4043395 | 9 NON-AI DAUGHTERS  | 13                     | 14,996     | 3.9       | 579       |                     |            |           |               |           |
| AI STUO, 23-08                              | LISTED, 08-63 |         | 9 WITH HERD-MATES   | 13                     | 14,996     | 3.9       | 579       | 11                  | 13,082     | 502       |               |           |
| STATES- 22                                  |               |         |                     |                        |            |           |           | OIFF.               | 1914       | 77        |               |           |
| 1314382 OLSUMMIT ECHO MAJOR.....            |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 09-01-57                                    | 1124780       | 2406558 | 6 NON-AI DAUGHTERS  | 6                      | 14,563     | 3.5       | 515       |                     |            |           |               |           |
|   | LISTED, 05-64 |         | 6 WITH HERD-MATES   | 6                      | 14,563     | 3.5       | 515       | 44                  | 15,541     | 568       |               |           |
| STATES- 21                                  |               |         |                     |                        |            |           |           | OIFF.               | 978-       | 53-       |               |           |
| 1314413 MEDSKER PONDELL 808.....            |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 11-08-56                                    | 1203393       | 3742176 | 20 NON-AI DAUGHTERS | 21                     | 7,774      | 3.2       | 251       |                     |            |           |               |           |
|   | LISTED, 03-64 |         | 20 WITH HERD-MATES  | 21                     | 7,774      | 3.2       | 251       | 13                  | 8,153      | 274       |               |           |
| STATES- 55                                  |               |         |                     |                        |            |           |           | DIFF.               | 379-       | 23-       |               |           |
| 1314428 .....                               |               |         |                     |                        |            |           |           |                     |            |           |               |           |
|   |               |         | 5 AI DAUGHTERS-04   | 5                      | 11,052     | 3.8       | 424       |                     |            |           |               |           |
| AI STUO, 41-01                              |               |         | 5 WITH HERD-MATES   | 5                      | 11,052     | 3.8       | 424       | 15                  | 13,591     | 495       | 11,767        | 436       |
| STATES- 41                                  |               |         |                     |                        |            |           |           | OIFF.               | 2539-      | 71-       |               |           |
|   |               |         | 1 NON-AI DAUGHTERS  | 1                      | 11,150     | 3.7       | 412       |                     |            |           |               |           |
|   |               |         | 1 WITH HERD-MATES   | 1                      | 11,150     | 3.7       | 412       | 14                  | 9,962      | 399       |               |           |
|   |               |         |                     |                        |            |           |           | OIFF.               | 1188       | 13        |               |           |
| 1314449 SUNNYSIDE JEWEL ROBURKE.....        |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 09-24-57                                    | 1024453       | 3780371 | 1 AI DAUGHTERS-01   |                        |            |           |           |                     |            |           |               |           |
| AI STUO, 35-05                              | LISTED, 05-64 |         | 1 WITH HERD-MATES   |                        |            |           |           |                     |            |           |               |           |
| STATES- 35                                  |               |         |                     |                        |            |           |           |                     |            |           |               |           |
|   |               |         | 6 NON-AI DAUGHTERS  | 8                      | 14,701     | 3.9       | 573       |                     |            |           |               |           |
|   |               |         | 6 WITH HERD-MATES   | 8                      | 14,701     | 3.9       | 573       | 11                  | 14,392     | 542       |               |           |
|   |               |         |                     |                        |            |           |           | DIFF.               | 309        | 31        |               |           |
| 1314494 SIR REGAL PABST KORNOYKE CHIP.....  |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 08-18-57                                    | 901195        | 2930590 | 5 NON-AI DAUGHTERS  | 7                      | 10,425     | 3.9       | 407       |                     |            |           |               |           |
|   | LISTED, 05-64 |         | 5 WITH HERD-MATES   | 7                      | 10,425     | 3.9       | 407       | 9                   | 11,879     | 431       |               |           |
| STATES- 33                                  |               |         |                     |                        |            |           |           | OIFF.               | 1454-      | 24-       |               |           |
| 1314600 SUNNYOECK HEILO PAYMASTER.....      |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 08-06-57                                    | 1203206       | 3827583 | 15 NON-AI DAUGHTERS | 23                     | 16,870     | 3.5       | 583       |                     |            |           |               |           |
|   | LISTED, 11-63 |         | 15 WITH HERD-MATES  | 23                     | 16,870     | 3.5       | 583       | 46                  | 17,226     | 595       |               |           |
| STATES- 91                                  |               |         |                     |                        |            |           |           | DIFF.               | 356-       | 12-       |               |           |
| 1314610 REDOING DANOY GEDRGE.....           |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 01-31-57                                    | 955493        | 3601506 | 20 NON-AI DAUGHTERS | 30                     | 13,683     | 3.9       | 527       |                     |            |           |               |           |
|   | LISTED, 08-63 |         | 20 WITH HERD-MATES  | 29                     | 13,787     | 3.8       | 529       | 12                  | 12,527     | 462       |               |           |
| STATES- 32,65                               |               |         |                     |                        |            |           |           | OIFF.               | 1260       | 67        |               |           |
| 1314623 DELLFIELD PROGRESSOR.....           |               |         |                     |                        |            |           |           |                     |            |           |               |           |
| 04-22-57                                    | 1246186       | 3749713 | 15 NON-AI DAUGHTERS | 19                     | 14,989     | 3.4       | 503       |                     |            |           |               |           |
|   | LISTED, 03-64 |         | 15 WITH HERD-MATES  | 19                     | 14,989     | 3.4       | 503       | 30                  | 17,320     | 588       |               |           |
| STATES- 93                                  |               |         |                     |                        |            |           |           | OIFF.               | 2331-      | 85-       |               |           |



## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF |        |      |     | OAU. | ADJ.   | HERD-MATES | AV. | PREDICTED | AV. |
|--|-------------------|--------|------|-----|------|--------|------------|-----|-----------|-----|
|  | RECORDS           | MILK   | TEST | FAT | LBS  | AV.    | MILK       | FAT | MILK      | FAT |
|  | NUMBER            | LB     | %    | LBS |      | NUMBER | LBS        | LBS | LBS       | LBS |
| 1314751 BELLE RIVER VIKING - TWIN.....           |                   |        |      |     |      |        |            |     |           |     |
| 10-01-57 1275201 3798057 20 NON-AI DAUGHTERS     | 28                | 14,147 | 3.6  | 504 |      |        |            |     |           |     |
| LISTED, 11-63 20 WITH HERD-MATES                 | 28                | 14,147 | 3.6  | 504 |      | 29     | 12,995     | 459 |           |     |
| STATES- 46                                       |                   |        |      |     |      | OIFF.  | 1152       | 45  |           |     |
| 1314759 WIS IDEALIST.....                        |                   |        |      |     |      |        |            |     |           |     |
| 01-13-58 933122 4123744 27 AI DAUGHTERS-19       | 28                | 15,128 | 3.5  | 532 |      |        |            |     |           |     |
| AI STUO, 91-01 LISTED, 03-64 26 WITH HERD-MATES  | 27                | 15,101 | 3.5  | 530 |      | 27     | 14,366     | 517 | 13,099    | 468 |
| STATES- 81,91                                    |                   |        |      |     |      | OIFF.  | 735        | 13  |           |     |
|  | 1                 | 17,865 | 3.1  | 558 |      | 30     | 15,321     | 558 |           |     |
|  | 1                 | 17,865 | 3.1  | 558 |      | OIFF.  | 2544       |     |           |     |
| 1314762 WIS EXCELLENCY.....                      |                   |        |      |     |      |        |            |     |           |     |
| 01-07-58 1189593 3111749 12 NON-AI DAUGHTERS     | 15                | 12,685 | 3.4  | 435 |      |        |            |     |           |     |
| LISTED, 08-63 12 WITH HERD-MATES                 | 15                | 12,685 | 3.4  | 435 |      | 20     | 13,574     | 480 |           |     |
| STATES- 21                                       |                   |        |      |     |      | OIFF.  | 889-       | 45- |           |     |
| 1314767 SHAW'S O C T UNA CREAMELLE.....          |                   |        |      |     |      |        |            |     |           |     |
| 07-03-57 972500 2752714 17 NON-AI DAUGHTERS      | 20                | 16,552 | 3.8  | 624 |      |        |            |     |           |     |
| AI STUO, 35-05 LISTED, 05-64 17 WITH HERD-MATES  | 20                | 16,552 | 3.8  | 624 |      | 8      | 15,003     | 543 |           |     |
| STATES- 35                                       |                   |        |      |     |      | OIFF.  | 1549       | 81  |           |     |
| 1314768 .....                                    |                   |        |      |     |      |        |            |     |           |     |
|  | 5                 | 15,294 | 4.0  | 605 |      |        |            |     |           |     |
| STATES- 51                                       | 5                 | 15,294 | 4.0  | 605 |      | 9      | 16,319     | 626 |           |     |
|  |                   |        |      |     |      | OIFF.  | 1025-      | 21- |           |     |
| 1314789 NANPO OUKU JUD.....                      |                   |        |      |     |      |        |            |     |           |     |
| 08-25-57 1251825 4076440 9 NON-AI DAUGHTERS      | 12                | 12,973 | 4.5  | 580 |      |        |            |     |           |     |
| LISTED, 08-63 9 WITH HERD-MATES                  | 12                | 12,973 | 4.5  | 580 |      | 20     | 14,086     | 564 |           |     |
| STATES- 14                                       |                   |        |      |     |      | OIFF.  | 1113-      | 16  |           |     |
| 1314807 .....                                    |                   |        |      |     |      |        |            |     |           |     |
|  | 5                 | 10,690 | 3.6  | 381 |      |        |            |     |           |     |
| STATES- 74                                       | 5                 | 10,690 | 3.6  | 381 |      | 8      | 11,288     | 393 |           |     |
|  |                   |        |      |     |      | OIFF.  | 598-       | 12- |           |     |
| 1314816 LILAC HILL CURTISS CHOICE.....           |                   |        |      |     |      |        |            |     |           |     |
| 02-14-57 1024453 3239051 128 AI DAUGHTERS-25*    | 141               | 12,674 | 3.7  | 464 |      |        |            |     |           |     |
| AI STUO, 33-03 LISTED, 05-64 125 WITH HERD-MATES | 138               | 12,725 | 3.7  | 466 |      | 19     | 12,965     | 478 | 12,297    | 446 |
| STATES- 11,14,21,23,31,32,33,                    |                   |        |      |     |      | OIFF.  | 240-       | 12- |           |     |
| 34,35,41,42,50,51,52,54,55,57,                   |                   |        |      |     |      |        |            |     |           |     |
| 61,64,82,84,92                                   |                   |        |      |     |      |        |            |     |           |     |
| 1314860 WEIGEL DICTATOR CHIEFTAIN MIKE.....      |                   |        |      |     |      |        |            |     |           |     |
| 04-11-57 1234371 3532410 21 NON-AI DAUGHTERS     | 25                | 11,475 | 3.7  | 430 |      |        |            |     |           |     |
| LISTED, 03-64 21 WITH HERD-MATES                 | 25                | 11,475 | 3.7  | 430 |      | 10     | 11,815     | 436 |           |     |
| STATES- 32,33,34                                 |                   |        |      |     |      | OIFF.  | 340-       | 6-  |           |     |
| 1314874 ALBUS FARM FOND SNOW.....                |                   |        |      |     |      |        |            |     |           |     |
| 10-29-57 1217666 2923995 8 NON-AI DAUGHTERS      | 9                 | 15,674 | 3.7  | 576 |      |        |            |     |           |     |
| LISTED, 03-64 8 WITH HERD-MATES                  | 9                 | 15,674 | 3.7  | 576 |      | 17     | 15,335     | 535 |           |     |
| STATES- 23                                       |                   |        |      |     |      | OIFF.  | 339        | 41  |           |     |
| 1314882 WALTHORLO LA OINE SHIAWANA.....          |                   |        |      |     |      |        |            |     |           |     |
| 08-17-57 1270949 3813314 12 NON-AI DAUGHTERS     | 15                | 10,160 | 3.6  | 368 |      |        |            |     |           |     |
| LISTED, 08-63 12 WITH HERD-MATES                 | 15                | 10,160 | 3.6  | 368 |      | 13     | 11,013     | 389 |           |     |
| STATES- 34                                       |                   |        |      |     |      | OIFF.  | 853-       | 21- |           |     |
| 1314943 FULTON FARMS KORNOYKE KING.....          |                   |        |      |     |      |        |            |     |           |     |
| 09-25-57 860768 3182319 10 NON-AI DAUGHTERS      | 10                | 16,682 | 3.8  | 631 |      |        |            |     |           |     |
| LISTED, 03-64 10 WITH HERD-MATES                 | 10                | 16,682 | 3.8  | 631 |      | 23     | 15,315     | 566 |           |     |
| STATES- 52                                       |                   |        |      |     |      | OIFF.  | 1367       | 65  |           |     |
| 1315048 GYPSIE RACER.....                        |                   |        |      |     |      |        |            |     |           |     |
| 10-10-57 1189554 3950587 9 NON-AI DAUGHTERS      | 9                 | 14,562 | 3.6  | 531 |      |        |            |     |           |     |
| LISTED, 03-64 9 WITH HERD-MATES                  | 9                 | 14,562 | 3.6  | 531 |      | 13     | 16,130     | 594 |           |     |
| STATES- 41                                       |                   |        |      |     |      | OIFF.  | 1568-      | 63- |           |     |
| 1315109 .....                                    |                   |        |      |     |      |        |            |     |           |     |
|  | 13                | 19,882 | 3.6  | 710 |      |        |            |     |           |     |
| STATES- 32                                       | 12                | 20,441 | 3.6  | 732 |      | 18     | 17,929     | 651 |           |     |
|  |                   |        |      |     |      | OIFF.  | 2512       | 81  |           |     |
| 1315120 ARMACOST GRANO MASTER CREST.....         |                   |        |      |     |      |        |            |     |           |     |
| 03-26-56 967010 2812853 17 NON-AI DAUGHTERS      | 33                | 11,821 | 4.0  | 474 |      |        |            |     |           |     |
| LISTED, 08-63 17 WITH HERD-MATES                 | 33                | 11,821 | 4.0  | 474 |      | 20     | 12,623     | 463 |           |     |
| STATES- 23,51                                    |                   |        |      |     |      | OIFF.  | 802-       | 11  |           |     |
| 1315153 .....                                    |                   |        |      |     |      |        |            |     |           |     |
|  | 5                 | 16,568 | 3.7  | 607 |      |        |            |     |           |     |
| STATES- 32                                       | 5                 | 16,568 | 3.7  | 607 |      | 39     | 16,052     | 591 |           |     |
|  |                   |        |      |     |      | OIFF.  | 516        | 16  |           |     |
| 1315191 MOOSEHEART PETE FORWARD.....             |                   |        |      |     |      |        |            |     |           |     |
| 09-13-57 1266665 3988403 14 NON-AI DAUGHTERS     | 16                | 12,959 | 3.8  | 491 |      |        |            |     |           |     |
| LISTED, 11-63 14 WITH HERD-MATES                 | 16                | 12,959 | 3.8  | 491 |      | 16     | 13,455     | 500 |           |     |
| STATES- 32                                       |                   |        |      |     |      | OIFF.  | 496-       | 9-  |           |     |
| 1315237 .....                                    |                   |        |      |     |      |        |            |     |           |     |
|  | 8                 | 11,690 | 3.5  | 408 |      |        |            |     |           |     |
| STATES- 23                                       | 8                 | 11,690 | 3.5  | 408 |      | 13     | 12,371     | 475 |           |     |
|  |                   |        |      |     |      | OIFF.  | 681-       | 67- |           |     |
| 1315253 PUGET SOUND CYCLONE.....                 |                   |        |      |     |      |        |            |     |           |     |
| 09-07-57 1144238 4031385 19 NON-AI DAUGHTERS     | 29                | 15,274 | 3.6  | 555 |      |        |            |     |           |     |
| AI STUO, 35-02 LISTED, 05-64 19 WITH HERD-MATES  | 29                | 15,274 | 3.6  | 555 |      | 11     | 15,502     | 574 |           |     |
| STATES- 91                                       |                   |        |      |     |      | OIFF.  | 228-       | 19- |           |     |
| 1315356 SKAGVALE SUPREME LEADER.....             |                   |        |      |     |      |        |            |     |           |     |
| 03-23-57 1109640 3239763 21 NON-AI DAUGHTERS     | 27                | 17,118 | 3.3  | 572 |      |        |            |     |           |     |
| LISTED, 11-63 21 WITH HERD-MATES                 | 26                | 17,245 | 3.3  | 573 |      | 13     | 15,461     | 528 |           |     |
| STATES- 91                                       |                   |        |      |     |      | OIFF.  | 1784       | 45  |           |     |

## SIRE OF DHIA DAUGHTERS

| HDLSTEIN   | AV. RECORDS | PRODUCTION MILK L8 | DF TEST % | DAU. FAT L8 | ADJ. AV. MILK L8 | HERD-MATES AV. FAT L8 | PREDICTED AV. MILK L8 | AV. FAT L8 |
|--|-------------|--------------------|-----------|-------------|------------------|-----------------------|-----------------------|------------|
| 1315423 LAVACRES DUSTY ADAM.....   |             |                    |           |             |                  |                       |                       |            |
| 12-01-57 1205185 3208918 18 NON-AI DAUGHTERS                             | 26          | 18,030             | 3.6       | 658         |                  |                       |                       |            |
| LISTED, 11-63 18 WITH HERD-MATES   | 26          | 18,030             | 3.6       | 658         |                  |                       |                       |            |
| STATES- 93   |             |                    |           |             | 74 DIFF.         | 15,953 2077           | 597 61                |            |
| 1315468 .....  |             |                    |           |             |                  |                       |                       |            |
| STATES- 51   | 5           | 12,966             | 4.0       | 519         | 59 DIFF.         | 13,765 799-           | 520 1-                |            |
| 1315498 SKDKIE NDEL.....   |             |                    |           |             |                  |                       |                       |            |
| 12-24-57 1249424 3425213 241 AI DAUGHTERS-25*                            | 291         | 14,626             | 3.6       | 525         |                  |                       |                       |            |
| AI STUD, 35-75 LISTED, 05-64 240 WITH HERD-MATES                         | 288         | 14,630             | 3.6       | 526         | 24 DIFF.         | 14,348 282            | 520 6                 | 12,918 466 |
| STATES- 11,13,14,16,21,23,31, 32,34,41,45,46,51,52,55,73,74, 82,84,85,93 |             |                    |           |             |                  |                       |                       |            |
| 1315578 LAR-WINN RAG APPLE IDEAL.....                                    |             |                    |           |             |                  |                       |                       |            |
| 10-15-57 1090340 2940399 23 AI DAUGHTERS-19                              | 24          | 14,215             | 4.0       | 564         |                  |                       |                       |            |
| AI STUD, 33-01 LISTED, 05-64 23 WITH HERD-MATES                          | 24          | 14,215             | 4.0       | 564         | 25 DIFF.         | 13,434 781            | 507 57                | 13,041 495 |
| STATES- 33,35  |             |                    |           |             |                  |                       |                       |            |
| 1315647 .....  |             |                    |           |             |                  |                       |                       |            |
| STATES- 33   | 5           | 11,202             | 3.6       | 400         | 14 DIFF.         | 12,849 1647-          | 447 47-               |            |
| 1315685 .....  |             |                    |           |             |                  |                       |                       |            |
| STATES- 23   | 12          | 8,933              | 3.9       | 347         | 10 DIFF.         | 10,572 1781-          | 386 48-               |            |
| 1315718 LDDESTAR LAIRD WOODMASTER.....                                   |             |                    |           |             |                  |                       |                       |            |
| 02-21-58 1269391 2354812 10 NON-AI DAUGHTERS                             | 10          | 13,632             | 4.1       | 557         |                  |                       |                       |            |
| LISTED, 05-64 10 WITH HERD-MATES   | 10          | 13,632             | 4.1       | 557         | 18 DIFF.         | 14,823 1191-          | 563 6-                |            |
| STATES- 21,22,23,35,50,51  |             |                    |           |             |                  |                       |                       |            |
| 1315879 PAWNEE FARM CENTURION DUKE.....                                  |             |                    |           |             |                  |                       |                       |            |
| 04-20-57 1263045 3922841 9 NON-AI DAUGHTERS                              | 9           | 12,788             | 3.9       | 497         |                  |                       |                       |            |
| AI STUD, 35-02 LISTED, 05-64 9 WITH HERD-MATES                           | 9           | 12,788             | 3.9       | 497         | 3 DIFF.          | 12,876 88-            | 465 32                |            |
| STATES- 47   |             |                    |           |             |                  |                       |                       |            |
| 1315928 .....  |             |                    |           |             |                  |                       |                       |            |
| STATES- 23   | 5           | 15,361             | 3.8       | 581         | 3 DIFF.          | 13,252 2109           | 490 91                |            |
| 1315940 MERIWETHER DSHKOSH MARTIN.....                                   |             |                    |           |             |                  |                       |                       |            |
| 01-13-58 1280357 3623749 20 NON-AI DAUGHTERS                             | 22          | 12,424             | 3.7       | 459         |                  |                       |                       |            |
| LISTED, 11-63 20 WITH HERD-MATES   | 22          | 12,424             | 3.7       | 459         | 63 DIFF.         | 12,392 32             | 456 3                 |            |
| STATES- 43   |             |                    |           |             |                  |                       |                       |            |
| 1315956 .....  |             |                    |           |             |                  |                       |                       |            |
| STATES- 31   | 6           | 14,387             | 3.6       | 516         | 20 DIFF.         | 13,609 778            | 483 33                |            |
| 1315962 IVAN CHRISTIE APPRAISER.....                                     |             |                    |           |             |                  |                       |                       |            |
| 02-19-57 1260257 3706096 13 NON-AI DAUGHTERS                             | 20          | 9,546              | 4.1       | 393         |                  |                       |                       |            |
| LISTED, 01-63 13 WITH HERD-MATES   | 18          | 9,272              | 4.1       | 382         | 7 DIFF.          | 11,157 1885-          | 423 41-               |            |
| STATES- 32   |             |                    |           |             |                  |                       |                       |            |
| 1316004 MIDLINE GDVERNDR FAYNE CARL -TWIN-.....                          |             |                    |           |             |                  |                       |                       |            |
| 10-01-57 1229006 3450572 11 NON-AI DAUGHTERS                             | 18          | 16,965             | 3.6       | 608         |                  |                       |                       |            |
| LISTED, 01-63 11 WITH HERD-MATES   | 18          | 16,965             | 3.6       | 608         | 14 DIFF.         | 16,332 633            | 602 6                 |            |
| STATES- 33   |             |                    |           |             |                  |                       |                       |            |
| 1316050 ROLLING KNOLL DUNLDGGIN MASTER.....                              |             |                    |           |             |                  |                       |                       |            |
| 09-12-57 874306 2904186 452 AI DAUGHTERS-25*                             | 578         | 13,246             | 3.7       | 490         |                  |                       |                       |            |
| AI STUD, 23-07 LISTED, 03-64 449 WITH HERD-MATES                         | 575         | 13,269             | 3.7       | 491         | 16 DIFF.         | 13,378 109-           | 502 11-               | 12,454 449 |
| STATES- 21,22,23,50  |             |                    |           |             |                  |                       |                       |            |
| STATES- 21,22,23,50  | 5           | 13,918             | 3.6       | 508         | 13 DIFF.         | 12,569 1349           | 463 45                |            |
| 1316082 BONASPECTA DUNLOGGIN PLUTO.....                                  |             |                    |           |             |                  |                       |                       |            |
| 05-05-56 987869 3743984 16 NON-AI DAUGHTERS                              | 25          | 12,111             | 3.7       | 449         |                  |                       |                       |            |
| LISTED, 08-63 13 WITH HERD-MATES   | 20          | 12,101             | 3.7       | 450         | 8 DIFF.          | 12,862 761-           | 484 34-               |            |
| STATES- 13   |             |                    |           |             |                  |                       |                       |            |
| 1316112 WILLMIL A 8 R ROXANNA SUPREME.....                               |             |                    |           |             |                  |                       |                       |            |
| 10-16-57 1080990 2950808 9 NON-AI DAUGHTERS                              | 9           | 15,730             | 4.1       | 647         |                  |                       |                       |            |
| LISTED, 03-64 9 WITH HERD-MATES  | 9           | 15,730             | 4.1       | 647         | 24 DIFF.         | 15,102 628            | 559 88                |            |
| STATES- 22   |             |                    |           |             |                  |                       |                       |            |
| 1316148 DAIRYSMITH ROSE LAD.....   |             |                    |           |             |                  |                       |                       |            |
| 01-19-58 1004232 2795685 9 NON-AI DAUGHTERS                              | 9           | 14,629             | 4.1       | 604         |                  |                       |                       |            |
| LISTED, 11-63 9 WITH HERD-MATES  | 9           | 14,629             | 4.1       | 604         | 23 DIFF.         | 15,064 435-           | 561 43                |            |
| STATES- 21   |             |                    |           |             |                  |                       |                       |            |
| 1316235 .....  |             |                    |           |             |                  |                       |                       |            |
| STATES- 21   | 5           | 10,182             | 3.7       | 373         | 17 DIFF.         | 10,741 559-           | 390 17-               |            |
| 1316294 NORDAR ADMIRAL PRINCE.....                                       |             |                    |           |             |                  |                       |                       |            |
| 06-23-57 1170753 3531047 14 NON-AI DAUGHTERS                             | 14          | 13,836             | 3.8       | 529         |                  |                       |                       |            |
| LISTED, 03-64 13 WITH HERD-MATES   | 13          | 13,922             | 3.8       | 531         | 4 DIFF.          | 13,412 510            | 526 5                 |            |
| STATES- 34   |             |                    |           |             |                  |                       |                       |            |
| 1316374 KINGSTEARO CHAMPION STAR - TWIN.....                             |             |                    |           |             |                  |                       |                       |            |
| 11-22-57 1024856 3787104 10 NON-AI DAUGHTERS                             | 10          | 8,368              | 3.9       | 327         |                  |                       |                       |            |
| LISTED, 03-64 10 WITH HERD-MATES   | 10          | 8,368              | 3.9       | 327         | 12 DIFF.         | 8,700 332-            | 309 18                |            |
| STATES- 51   |             |                    |           |             |                  |                       |                       |            |

## SIRE OF OHIA DAUGHTERS

| Sires of CHA Daughter                       |               |         |                  | AV. RECORDS      | PRODUCTION OF |        |     | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES |        | AV. FAT L8 | PREDICTED AV. |        |
|---|---------------|---------|------------------|------------------|---------------|--------|-----|-------------|-----------------|------------|--------|------------|---------------|--------|
|   |               |         |                  | NUMBER           | MILK L8       | TEST % |     |             |                 | MILK L8    | FAT L8 |            | MILK L8       | FAT L8 |
| 1316447 .....                               |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| STATES-                                     | 51            | 9       | NON-AI DAUGHTERS | 9                | 12,417        | 3.7    | 455 |             |                 |            |        |            |               |        |
|   |               | 9       | WITH HERD-MATES  | 9                | 12,417        | 3.7    | 455 |             | 19              | 13,278     | 491    |            |               |        |
|   |               |         |                  |                  |               |        |     |             | DIFF.           | 861-       | 36-    |            |               |        |
| 1316511 .....                               |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| STATES-                                     | 35            | 5       | NON-AI DAUGHTERS | 6                | 16,032        | 4.1    | 650 |             |                 |            |        |            |               |        |
|   |               | 5       | WITH HERD-MATES  | 6                | 16,032        | 4.1    | 650 |             | 13              | 14,879     | 569    |            |               |        |
|   |               |         |                  |                  |               |        |     |             | DIFF.           | 1153       | 81     |            |               |        |
| 1316531 CRESCENT BEAUTY CRACKERJACK.....    |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 07-16-57                                    | 1247704       | 4087973 | 15               | NON-AI DAUGHTERS | 18            | 12,279 | 3.6 | 440         |                 |            |        |            |               |        |
|   | LISTED, 03-64 |         | 15               | WITH HERD-MATES  | 18            | 12,279 | 3.6 | 440         |                 | 10         | 12,297 | 452        |               |        |
| STATES-                                     | 48            |         |                  |                  |               |        |     |             | DIFF.           | 18-        | 12-    |            |               |        |
| 1316532 CRESCENT BEAUTY COMMANDER NICK..... |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 10-21-57                                    | 1247704       | 3379745 | 17               | NON-AI DAUGHTERS | 19            | 10,941 | 3.7 | 403         |                 |            |        |            |               |        |
|   | LISTED, 03-64 |         | 17               | WITH HERD-MATES  | 19            | 10,941 | 3.7 | 403         |                 | 25         | 12,921 | 464        |               |        |
| STATES-                                     | 31            |         |                  |                  |               |        |     |             | DIFF.           | 1980-      | 61-    |            |               |        |
| 1316533 CRESCENT BEAUTY TRIUMPH.....        |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 09-26-57                                    | 1268528       | 3398005 | 13               | NON-AI DAUGHTERS | 13            | 15,493 | 3.6 | 563         |                 |            |        |            |               |        |
| AI STUO, 33-03                              | LISTED, 03-64 |         | 13               | WITH HERD-MATES  | 13            | 15,493 | 3.6 | 563         |                 | 14         | 13,787 | 496        |               |        |
| STATES-                                     | 33,35,73      |         |                  |                  |               |        |     |             | DIFF.           | 1706       | 67     |            |               |        |
| 1316568 ELTDNE JULIE ROBURKE JUPITER.....   |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 11-12-57                                    | 1024453       | 4154251 | 12               | NON-AI DAUGHTERS | 13            | 12,541 | 3.6 | 450         |                 |            |        |            |               |        |
|   | LISTED, 11-63 |         | 12               | WITH HERD-MATES  | 13            | 12,541 | 3.6 | 450         |                 | 17         | 12,807 | 471        |               |        |
| STATES-                                     | 41            |         |                  |                  |               |        |     |             | DIFF.           | 266-       | 21-    |            |               |        |
| 1316569 .....                               |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| STATES-                                     | 34            | 6       | NON-AI DAUGHTERS | 6                | 13,170        | 3.4    | 446 |             |                 |            |        |            |               |        |
|   |               | 6       | WITH HERD-MATES  | 6                | 13,170        | 3.4    | 446 |             | 12              | 13,062     | 455    |            |               |        |
|   |               |         |                  |                  |               |        |     |             | DIFF.           | 108        | 9-     |            |               |        |
| 1316575 EMMONS FARMS SIGNAL PAUL.....       |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 10-27-57                                    | 975892        | 4107883 | 17               | NON-AI DAUGHTERS | 26            | 14,922 | 3.7 | 552         |                 |            |        |            |               |        |
|   | LISTED, 08-63 |         | 17               | WITH HERD-MATES  | 26            | 14,922 | 3.7 | 552         |                 | 27         | 13,312 | 454        |               |        |
| STATES-                                     | 34            |         |                  |                  |               |        |     |             | DIFF.           | 1610       | 98     |            |               |        |
| 1316590 MISTYVALE MASTER DUKE.....          |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 02-17-58                                    | 1086326       | 3669237 | 1                | AI DAUGHTERS-01  |               |        |     |             |                 |            |        |            |               |        |
| AI STUO, 23-08                              | LISTED, 05-64 |         | 1                | WITH HERD-MATES  |               |        |     |             |                 |            |        |            |               |        |
| STATES-                                     | 21,23,50,51   |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
|   |               |         | 17               | NON-AI DAUGHTERS | 18            | 13,683 | 3.8 | 521         |                 |            |        |            |               |        |
|   |               |         | 17               | WITH HERD-MATES  | 18            | 13,683 | 3.8 | 521         |                 | 11         | 13,921 | 525        |               |        |
|   |               |         |                  |                  |               |        |     |             | DIFF.           | 238-       | 4-     |            |               |        |
| 1316615 CRETE TIOY CHERRY MASTER CROSS..... |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 07-27-57                                    | 1025902       | 3644473 | 141              | AI DAUGHTERS-25* | 168           | 11,784 | 3.9 | 460         |                 |            |        |            |               |        |
| AI STUO, 11-01                              | LISTED, 03-64 |         | 139              | WITH HERD-MATES  | 166           | 11,836 | 3.9 | 462         |                 | 18         | 13,451 | 506        | 11,075        | 419    |
| STATES-                                     | 11,12,13      |         |                  |                  |               |        |     |             | DIFF.           | 1615-      | 44-    |            |               |        |
| 1316645 .....                               |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| STATES-                                     | 42            | 5       | NON-AI DAUGHTERS | 5                | 10,592        | 3.5    | 375 |             |                 |            |        |            |               |        |
|   |               | 5       | WITH HERD-MATES  | 5                | 10,592        | 3.5    | 375 |             | 26              | 11,136     | 414    |            |               |        |
|   |               |         |                  |                  |               |        |     |             | DIFF.           | 544-       | 39-    |            |               |        |
| 1316647 ESMUR OOWNS IDEAL JDEROW LASS.....  |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 08-11-57                                    | 1270082       | 3713892 | 10               | NON-AI DAUGHTERS | 15            | 13,405 | 4.0 | 534         |                 |            |        |            |               |        |
|   | LISTED, 11-63 |         | 10               | WITH HERD-MATES  | 15            | 13,405 | 4.0 | 534         |                 | 8          | 14,041 | 545        |               |        |
| STATES-                                     | 41            |         |                  |                  |               |        |     |             | DIFF.           | 636-       | 11-    |            |               |        |
| 1316731 .....                               |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| STATES-                                     | 43            | 5       | NON-AI DAUGHTERS | 5                | 12,876        | 3.7    | 476 |             |                 |            |        |            |               |        |
|   |               | 5       | WITH HERD-MATES  | 5                | 12,876        | 3.7    | 476 |             | 25              | 13,210     | 479    |            |               |        |
|   |               |         |                  |                  |               |        |     |             | DIFF.           | 334-       | 3-     |            |               |        |
| 1316761 KNEEDMORE PABST RAVEN PRIDE.....    |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 08-07-57                                    | 1207531       | 3392591 | 14               | NON-AI DAUGHTERS | 18            | 10,800 | 3.6 | 393         |                 |            |        |            |               |        |
|   | LISTED, 03-64 |         | 13               | WITH HERD-MATES  | 17            | 11,123 | 3.7 | 407         |                 | 9          | 13,982 | 503        |               |        |
| STATES-                                     | 34            |         |                  |                  |               |        |     |             | DIFF.           | 2859-      | 96-    |            |               |        |
| 1316824 CARROLLTON MAGIC MIKE.....          |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 07-01-57                                    | 994895        | 3484769 | 12               | NON-AI DAUGHTERS | 14            | 11,609 | 3.5 | 408         |                 |            |        |            |               |        |
|   | LISTED, 03-64 |         | 12               | WITH HERD-MATES  | 14            | 11,609 | 3.5 | 408         |                 | 14         | 12,525 | 462        |               |        |
| STATES-                                     | 41            |         |                  |                  |               |        |     |             | DIFF.           | 916-       | 54-    |            |               |        |
| 1316877 MERIWETHER OSHKOSH SERGIUS.....     |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 01-16-58                                    | 1280357       | 4054152 | 13               | NON-AI DAUGHTERS | 19            | 12,642 | 3.4 | 434         |                 |            |        |            |               |        |
|   | LISTED, 03-64 |         | 13               | WITH HERD-MATES  | 19            | 12,642 | 3.4 | 434         |                 | 37         | 13,769 | 489        |               |        |
| STATES-                                     | 35            |         |                  |                  |               |        |     |             | DIFF.           | 1127-      | 55-    |            |               |        |
| 1316893 IMHI PERFECTO RAG APPLE.....        |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 04-09-57                                    | 1212420       | 3929604 | 13               | AI DAUGHTERS-03  | 13            | 12,165 | 3.6 | 433         |                 |            |        |            |               |        |
| AI STUO, 42-08                              | LISTED, 05-64 |         | 13               | WITH HERD-MATES  | 13            | 12,165 | 3.6 | 433         |                 | 32         | 12,716 | 459        | 12,197        | 441    |
| STATES-                                     | 42            |         |                  |                  |               |        |     |             | DIFF.           | 551-       | 26-    |            |               |        |
|   |               |         | 2                | NON-AI DAUGHTERS | 3             | 12,673 | 3.4 | 436         |                 |            |        |            |               |        |
|   |               |         | 2                | WITH HERD-MATES  | 3             | 12,673 | 3.4 | 436         |                 | 34         | 11,266 | 419        |               |        |
|   |               |         |                  |                  |               |        |     |             | DIFF.           | 1407       | 17     |            |               |        |
| 1317032 ARJO SIR ROBURKE DESIGN.....        |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 10-06-57                                    | 1024453       | 3780525 | 16               | NON-AI DAUGHTERS | 21            | 12,157 | 4.2 | 509         |                 |            |        |            |               |        |
| AI STUO, 35-02                              | LISTED, 03-64 |         | 16               | WITH HERD-MATES  | 21            | 12,157 | 4.2 | 509         |                 | 12         | 13,480 | 522        |               |        |
| STATES-                                     | 35            |         |                  |                  |               |        |     |             | DIFF.           | 1323-      | 13-    |            |               |        |
| 1317048 EOH TRIUNE RENOWN MAXY.....         |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 02-03-57                                    | 1218273       | 3626241 | 16               | NON-AI DAUGHTERS | 29            | 14,207 | 3.5 | 495         |                 |            |        |            |               |        |
|   | LISTED, 08-63 |         | 16               | WITH HERD-MATES  | 29            | 14,207 | 3.5 | 495         |                 | 44         | 13,025 | 448        |               |        |
| STATES-                                     | 71,73         |         |                  |                  |               |        |     |             | DIFF.           | 1182       | 47     |            |               |        |
| 1317078 GRAY VIEW SKY HERO.....             |               |         |                  |                  |               |        |     |             |                 |            |        |            |               |        |
| 12-02-57                                    | 1244845       | 3352656 | 16               | NON-AI DAUGHTERS | 17            | 11,999 | 3.3 | 401         |                 |            |        |            |               |        |
|   | LISTED, 03-64 |         | 16               | WITH HERD-MATES  | 17            | 11,999 | 3.3 | 401         |                 | 17         | 12,238 | 416        |               |        |
| STATES-                                     | 35,43         |         |                  |                  |               |        |     |             | DIFF.           | 239-       | 15-    |            |               |        |



## SIREs OF DHIA DAUGHTERS

| HOLSTEIN  |  |  |  |  | AV. RECORDS | PRODUCTION MILK LB | OF TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERD-MATES FAT LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|---|--|--|--|--|-------------|--------------------|-----------|-------------|------------------|-------------------|------------|-------------------|------------|
| 1317114 STEWARTS TY VIC MASTER TOM.....         |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| D1-13-58 923749 3307812 51 AI DAUGHTERS-25*     |  |  |  |  | 51          | 13,158             | 3.7       | 485         |                  |                   |            |                   |            |
| AI STUD, 21-D1 LISTED, 05-64 51 WITH HERD-MATES |  |  |  |  | 51          | 13,158             | 3.7       | 485         | 24 DIFF.         | 14,143 985-       | 509 24-    | 11,817            | 440        |
| STATES- 13,21                                   |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 1317119 KA8-N-HILL SANAR CLEM.....              |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 11-16-57 1178303 4335584 10 NDN-AI DAUGHTERS    |  |  |  |  | 18          | 14,511             | 3.6       | 517         |                  |                   |            |                   |            |
| LISTED, 01-63 10 WITH HERD-MATES                |  |  |  |  | 18          | 14,511             | 3.6       | 517         | 20 DIFF.         | 13,095 1416       | 483 34     |                   |            |
| STATES- 23                                      |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 1317122 TIDY BURKE PALMER.....                  |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 10-D3-57 1196645 3348178 15 NON-AI DAUGHTERS    |  |  |  |  | 20          | 13,276             | 3.7       | 487         |                  |                   |            |                   |            |
| LISTED, D3-64 15 WITH HERD-MATES                |  |  |  |  | 20          | 13,276             | 3.7       | 487         | 11 DIFF.         | 13,091 185        | 468 19     |                   |            |
| STATES- 48                                      |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 1317160 .....                                   |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| STATES- 31                                      |  |  |  |  | 14          | 12,589             | 3.6       | 447         |                  |                   |            |                   |            |
|   |  |  |  |  | 14          | 12,589             | 3.6       | 447         | 17 DIFF.         | 12,432 157        | 448 1-     |                   |            |
| 1317177 EL TDRO SPIES ORMSBY.....               |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 05-27-57 1164018 4414925 12 NON-AI DAUGHTERS    |  |  |  |  | 22          | 10,428             | 3.9       | 404         |                  |                   |            |                   |            |
| LISTED, 08-63 12 WITH HERD-MATES                |  |  |  |  | 22          | 10,428             | 3.9       | 404         | 16 DIFF.         | 10,346 82         | 396 8      |                   |            |
| STATES- 51                                      |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 1317297 CHEMUNG TDP NOBLEMAN.....               |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 08-15-57 1264035 3850568 8 NON-AI DAUGHTERS     |  |  |  |  | 11          | 12,581             | 4.0       | 505         |                  |                   |            |                   |            |
| LISTED, 11-63 8 WITH HERD-MATES                 |  |  |  |  | 11          | 12,581             | 4.0       | 505         | 12 DIFF.         | 12,510 71         | 471 34     |                   |            |
| STATES- 23                                      |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 1317367 RICHVALE ROBURKE JACK.....              |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 12-06-56 1024453 3198025 27 NON-AI DAUGHTERS    |  |  |  |  | 44          | 12,216             | 3.8       | 465         |                  |                   |            |                   |            |
| LISTED, D1-63 27 WITH HERD-MATES                |  |  |  |  | 44          | 12,216             | 3.8       | 465         | 12 DIFF.         | 12,480 264-       | 485 20-    |                   |            |
| STATES- 16,51                                   |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 1317373 MASTER GOLD CRETE FERDINAND.....        |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 09-18-57 1268564 4131984 9 NDN-AI DAUGHTERS     |  |  |  |  | 13          | 13,427             | 4.0       | 535         |                  |                   |            |                   |            |
| LISTED, 11-63 9 WITH HERD-MATES                 |  |  |  |  | 13          | 13,427             | 4.0       | 535         | 10 DIFF.         | 13,955 528-       | 524 11     |                   |            |
| STATES- 11                                      |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 1317412 .....                                   |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| STATES- 45,46                                   |  |  |  |  | 12          | 14,285             | 4.1       | 587         |                  |                   |            |                   |            |
|   |  |  |  |  | 12          | 14,285             | 4.1       | 587         | 19 DIFF.         | 14,010 275        | 504 83     |                   |            |
| 1317416 .....                                   |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| STATES- 46                                      |  |  |  |  | 5           | 12,120             | 3.4       | 418         |                  |                   |            |                   |            |
|   |  |  |  |  | 5           | 12,120             | 3.4       | 418         | 37 DIFF.         | 9,395 2725        | 323 95     |                   |            |
| 1317467 FILBERT ROGD GRAND VIE.....             |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 08-05-57 967010 3122170 9 NDN-AI DAUGHTERS      |  |  |  |  | 11          | 11,698             | 3.5       | 408         |                  |                   |            |                   |            |
| LISTED, D3-64 9 WITH HERD-MATES                 |  |  |  |  | 11          | 11,698             | 3.5       | 408         | 54 DIFF.         | 13,355 1657-      | 473 65-    |                   |            |
| STATES- 33                                      |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 1317519 .....                                   |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| STATES- 35                                      |  |  |  |  | 10          | 12,568             | 3.7       | 466         |                  |                   |            |                   |            |
|   |  |  |  |  | 10          | 12,568             | 3.7       | 466         | 9 DIFF.          | 11,682 886        | 402 64     |                   |            |
| 1317578 HD8OKEN LDMET OPTIMIST 8UR.....         |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 11-13-57 1140763 2288554 10 NDN-AI DAUGHTERS    |  |  |  |  | 12          | 14,835             | 3.6       | 532         |                  |                   |            |                   |            |
| LISTED, 11-63 10 WITH HERD-MATES                |  |  |  |  | 12          | 14,835             | 3.6       | 532         | 31 DIFF.         | 16,392 1557-      | 578 46-    |                   |            |
| STATES- 21                                      |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 1317615 KING REDFIELD DRMSBY BILL.....          |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 09-12-57 1267914 3477406 14 NON-AI DAUGHTERS    |  |  |  |  | 24          | 9,655              | 3.7       | 362         |                  |                   |            |                   |            |
| LISTED, 01-63 14 WITH HERD-MATES                |  |  |  |  | 24          | 9,655              | 3.7       | 362         | 7 DIFF.          | 9,691 36-         | 350 12     |                   |            |
| STATES- 45                                      |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 1317829 .....                                   |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| STATES- 33,35                                   |  |  |  |  | 7           | 11,993             | 3.6       | 427         |                  |                   |            |                   |            |
|   |  |  |  |  | 7           | 11,993             | 3.6       | 427         | 11 DIFF.         | 12,295 302-       | 427        |                   |            |
| 1317844 LAVACRES DELLA BRUNO.....               |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 01-05-58 1026263 4080984 12 NDN-AI DAUGHTERS    |  |  |  |  | 12          | 15,387             | 3.5       | 540         |                  |                   |            |                   |            |
| LISTED, D3-64 12 WITH HERD-MATES                |  |  |  |  | 12          | 15,387             | 3.5       | 540         | 146 DIFF.        | 17,092 1705-      | 584 44-    |                   |            |
| STATES- 93                                      |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 1317848 LAVACRES DELLA PARAGDN.....             |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 02-14-58 1026263 2959915 12 NON-AI DAUGHTERS    |  |  |  |  | 16          | 13,794             | 3.8       | 518         |                  |                   |            |                   |            |
| LISTED, 11-63 12 WITH HERD-MATES                |  |  |  |  | 16          | 13,794             | 3.8       | 518         | 13 DIFF.         | 11,450 2344       | 421 97     |                   |            |
| STATES- 87                                      |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 1317850 .....                                   |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| STATES- 93                                      |  |  |  |  | 5           | 14,940             | 3.4       | 507         |                  |                   |            |                   |            |
|   |  |  |  |  | 4           | 15,593             | 3.4       | 532         | 31 DIFF.         | 15,040 553        | 533 1-     |                   |            |
| 1317933 LEADER REVALE CHIMES.....               |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 02-21-57 1207528 4038372 17 NON-AI DAUGHTERS    |  |  |  |  | 27          | 13,831             | 3.6       | 496         |                  |                   |            |                   |            |
| LISTED, 08-63 17 WITH HERD-MATES                |  |  |  |  | 27          | 13,831             | 3.6       | 496         | 12 DIFF.         | 13,797 34         | 507 11-    |                   |            |
| STATES- 35                                      |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 1317936 LUDWIG WIS IDEAL.....                   |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 01-08-58 933122 3604392 9 NON-AI DAUGHTERS      |  |  |  |  | 12          | 13,638             | 3.8       | 524         |                  |                   |            |                   |            |
| LISTED, D8-63 9 WITH HERD-MATES                 |  |  |  |  | 12          | 13,638             | 3.8       | 524         | 8 DIFF.          | 13,975 337-       | 505 19     |                   |            |
| STATES- 42,47                                   |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| 1317941 .....                                   |  |  |  |  |             |                    |           |             |                  |                   |            |                   |            |
| STATES- 23                                      |  |  |  |  | 5           | 11,644             | 3.7       | 433         |                  |                   |            |                   |            |
|   |  |  |  |  | 5           | 11,644             | 3.7       | 433         | 7 DIFF.          | 10,318 1326       | 365 68     |                   |            |

## SIRE OF DHIA DAUGHTERS

| HDLSTEIN       |                                    |    |                  | AV. RECORDS<br>NUMBER | PRODUCTION<br>MILK L8 | DF<br>TEST % | DAU.<br>FAT L8 | ADJ. AV.<br>NUMBER | HERD-MATES<br>MILK L8 | AV.<br>FAT L8 | PREDICTED AV.<br>MILK L8 | FAT L8 |
|----------------|------------------------------------|----|------------------|-----------------------|-----------------------|--------------|----------------|--------------------|-----------------------|---------------|--------------------------|--------|
| 1317964        | PABST DLIVER WIN LUKE.....         |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
| 11-30-57       | 1194954 4045756                    | 9  | NDN-AI DAUGHTERS | 10                    | 13,532                | 3.9          | 526            |                    |                       |               |                          |        |
|                | LISTED, 03-64                      | 9  | WITH HERD-MATES  | 10                    | 13,532                | 3.9          | 526            | 24                 | 14,443                | 544           |                          |        |
| STATES-        | 34                                 |    |                  |                       |                       |              |                | DIFF.              | 911-                  | 18-           |                          |        |
| 1317975        | .....                              |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
|                |                                    | 7  | NDN-AI DAUGHTERS | 7                     | 12,164                | 3.6          | 440            |                    |                       |               |                          |        |
| STATES-        | 47                                 | 7  | WITH HERD-MATES  | 7                     | 12,164                | 3.6          | 440            | 19                 | 11,196                | 407           |                          |        |
|                |                                    |    |                  |                       |                       |              |                | DIFF.              | 968                   | 33            |                          |        |
| 1317978        | BSH EMP DDRIS NOTATIDN.....        |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
| 08-28-57       | 1255433 3949639                    | 12 | NDN-AI DAUGHTERS | 14                    | 12,813                | 3.6          | 457            |                    |                       |               |                          |        |
|                | LISTED, 03-64                      | 12 | WITH HERD-MATES  | 14                    | 12,813                | 3.6          | 457            | 14                 | 13,319                | 473           |                          |        |
| STATES-        | 47                                 |    |                  |                       |                       |              |                | DIFF.              | 506-                  | 16-           |                          |        |
| 1317986        | .....                              |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
|                |                                    | 5  | NDN-AI DAUGHTERS | 7                     | 14,321                | 3.9          | 559            |                    |                       |               |                          |        |
| STATES-        | 46                                 | 5  | WITH HERD-MATES  | 7                     | 14,321                | 3.9          | 559            | 6                  | 14,011                | 513           |                          |        |
|                |                                    |    |                  |                       |                       |              |                | DIFF.              | 310                   | 46            |                          |        |
| 1318021        | BRAUNS MASTERPIECE.....            |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
| 10-06-57       | 959466 3184976                     | 6  | AI DAUGHTERS-05  | 6                     | 12,642                | 4.0          | 506            |                    |                       |               |                          |        |
| AI STUD, 35-04 | LISTED, 05-64                      | 6  | WITH HERD-MATES  | 6                     | 12,642                | 4.0          | 506            | 5                  | 12,266                | 491           | 12,588                   | 461    |
| STATES-        | 23,35,41                           |    |                  |                       |                       |              |                | DIFF.              | 376                   | 15            |                          |        |
|                |                                    | 3  | NDN-AI DAUGHTERS | 4                     | 12,688                | 3.9          | 498            |                    |                       |               |                          |        |
|                |                                    | 3  | WITH HERD-MATES  | 4                     | 12,688                | 3.9          | 498            | 13                 | 14,118                | 528           |                          |        |
|                |                                    |    |                  |                       |                       |              |                | DIFF.              | 1430-                 | 30-           |                          |        |
| 1318068        | ORMS8Y IDEAL SULTAN.....           |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
| 12-17-57       | 1090340 2628365                    | 73 | AI DAUGHTERS-25* | 92                    | 13,655                | 3.9          | 535            |                    |                       |               |                          |        |
| AI STUD, 33-01 | LISTED, 05-64                      | 72 | WITH HERD-MATES  | 91                    | 13,743                | 3.9          | 538            | 19                 | 13,496                | 504           | 12,768                   | 488    |
| STATES-        | 33,54,57,63                        |    |                  |                       |                       |              |                | DIFF.              | 247                   | 34            |                          |        |
| 1318143        | WILD ROSE WINTERTHUR STAR ESQ..... |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
| 09-15-57       | 1107436 3553146                    | 13 | NDN-AI DAUGHTERS | 14                    | 12,569                | 3.5          | 438            |                    |                       |               |                          |        |
|                | LISTED, 11-63                      | 13 | WITH HERD-MATES  | 14                    | 12,569                | 3.5          | 438            | 32                 | 13,096                | 472           |                          |        |
| STATES-        | 14,16,21,34                        |    |                  |                       |                       |              |                | DIFF.              | 527-                  | 34-           |                          |        |
| 1318167        | .....                              |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
|                |                                    | 5  | NDN-AI DAUGHTERS | 5                     | 14,678                | 3.6          | 532            |                    |                       |               |                          |        |
| STATES-        | 41,45                              | 5  | WITH HERD-MATES  | 5                     | 14,678                | 3.6          | 532            | 12                 | 12,898                | 480           |                          |        |
|                |                                    |    |                  |                       |                       |              |                | DIFF.              | 1780                  | 52            |                          |        |
| 1318168        | 8ENMIN ANTHONY L DRMS8Y.....       |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
| 11-04-57       | 1267715 3671838                    | 9  | NDN-AI DAUGHTERS | 10                    | 11,080                | 3.5          | 384            |                    |                       |               |                          |        |
|                | LISTED, 11-63                      | 9  | WITH HERD-MATES  | 10                    | 11,080                | 3.5          | 384            | 21                 | 12,638                | 456           |                          |        |
| STATES-        | 41                                 |    |                  |                       |                       |              |                | DIFF.              | 1558-                 | 72-           |                          |        |
| 1318174        | MASTER CARNATION RDSEHAVEN.....    |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
| 03-18-57       | 1152211 3353999                    | 14 | NDN-AI DAUGHTERS | 21                    | 13,840                | 3.3          | 456            |                    |                       |               |                          |        |
|                | LISTED, 08-63                      | 14 | WITH HERD-MATES  | 19                    | 14,077                | 3.3          | 463            | 2                  | 13,415                | 458           |                          |        |
| STATES-        | 41                                 |    |                  |                       |                       |              |                | DIFF.              | 662                   | 5             |                          |        |
| 1318209        | .....                              |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
|                |                                    | 5  | NDN-AI DAUGHTERS | 5                     | 16,346                | 3.4          | 562            |                    |                       |               |                          |        |
| STATES-        | 46                                 | 5  | WITH HERD-MATES  | 5                     | 16,346                | 3.4          | 562            | 30                 | 12,938                | 476           |                          |        |
|                |                                    |    |                  |                       |                       |              |                | DIFF.              | 3408                  | 86            |                          |        |
| 1318251        | RDSAFE PEARL INKA.....             |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
| 12-23-56       | 010249633 101029984                | 13 | NDN-AI DAUGHTERS | 23                    | 11,420                | 3.9          | 446            |                    |                       |               |                          |        |
|                | LISTED, 03-64                      | 13 | WITH HERD-MATES  | 23                    | 11,420                | 3.9          | 446            | 12                 | 12,866                | 480           |                          |        |
| STATES-        | 51,54                              |    |                  |                       |                       |              |                | DIFF.              | 1446-                 | 34-           |                          |        |
| 1318302        | .....                              |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
|                |                                    | 6  | NDN-AI DAUGHTERS | 6                     | 11,018                | 3.6          | 399            |                    |                       |               |                          |        |
| STATES-        | 35                                 | 6  | WITH HERD-MATES  | 6                     | 11,018                | 3.6          | 399            | 11                 | 12,185                | 428           |                          |        |
|                |                                    |    |                  |                       |                       |              |                | DIFF.              | 1167-                 | 29-           |                          |        |
| 1318443        | LINDSAY ACRES COUNTRY LAD.....     |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
| 05-06-57       | 1186927 3008969                    | 18 | NDN-AI DAUGHTERS | 20                    | 14,626                | 3.8          | 550            |                    |                       |               |                          |        |
|                | LISTED, 11-63                      | 18 | WITH HERD-MATES  | 20                    | 14,626                | 3.8          | 550            | 69                 | 16,586                | 619           |                          |        |
| STATES-        | 21                                 |    |                  |                       |                       |              |                | DIFF.              | 1960-                 | 69-           |                          |        |
| 1318452        | DAGES NC DICTATOR KING RDY.....    |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
| 01-07-58       | 1084072 3928777                    | 25 | NDN-AI DAUGHTERS | 29                    | 15,812                | 3.6          | 572            |                    |                       |               |                          |        |
|                | LISTED, 03-64                      | 25 | WITH HERD-MATES  | 29                    | 15,812                | 3.6          | 572            | 69                 | 15,488                | 565           |                          |        |
| STATES-        | 31                                 |    |                  |                       |                       |              |                | DIFF.              | 324                   | 7             |                          |        |
| 1318462        | TYLER FARMS SUN8EAM SCDUT.....     |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
| 12-13-57       | 1063381 3296280                    | 8  | NDN-AI DAUGHTERS | 9                     | 12,395                | 4.2          | 520            |                    |                       |               |                          |        |
|                | LISTED, 08-63                      | 7  | WITH HERD-MATES  | 8                     | 11,696                | 4.2          | 496            | 12                 | 14,208                | 570           |                          |        |
| STATES-        | 14                                 |    |                  |                       |                       |              |                | DIFF.              | 2512-                 | 74-           |                          |        |
| 1318469        | FREE8AER 8ARDN RAG APPLE.....      |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
| 01-17-58       | 1096038 3311928                    | 7  | NDN-AI DAUGHTERS | 7                     | 9,821                 | 3.6          | 357            |                    |                       |               |                          |        |
|                | LISTED, 05-64                      | 7  | WITH HERD-MATES  | 7                     | 9,821                 | 3.6          | 357            | 33                 | 12,737                | 435           |                          |        |
| STATES-        | 21                                 |    |                  |                       |                       |              |                | DIFF.              | 2916-                 | 78-           |                          |        |
| 1318589        | CORRECTION VICTOR WAYNE.....       |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
| 08-12-57       | 1270161 3936836                    | 21 | NDN-AI DAUGHTERS | 34                    | 12,061                | 3.8          | 460            |                    |                       |               |                          |        |
|                | LISTED, 08-63                      | 21 | WITH HERD-MATES  | 34                    | 12,061                | 3.8          | 460            | 8                  | 11,349                | 421           |                          |        |
| STATES-        | 33                                 |    |                  |                       |                       |              |                | DIFF.              | 712                   | 39            |                          |        |
| 1318596        | PINE SHELTER RD8DT J D RAVEN.....  |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
| 12-21-56       | 1246729 3073617                    | 9  | NDN-AI DAUGHTERS | 11                    | 12,747                | 3.7          | 475            |                    |                       |               |                          |        |
|                | LISTED, 05-64                      | 9  | WITH HERD-MATES  | 11                    | 12,747                | 3.7          | 475            | 13                 | 13,639                | 506           |                          |        |
| STATES-        | 41,42                              |    |                  |                       |                       |              |                | DIFF.              | 892-                  | 31-           |                          |        |
| 1318617        | .....                              |    |                  |                       |                       |              |                |                    |                       |               |                          |        |
|                |                                    | 5  | NDN-AI DAUGHTERS | 5                     | 12,776                | 3.4          | 437            |                    |                       |               |                          |        |
| STATES-        | 51                                 | 5  | WITH HERD-MATES  | 5                     | 12,776                | 3.4          | 437            | 20                 | 14,949                | 555           |                          |        |
|                |                                    |    |                  |                       |                       |              |                | DIFF.              | 2173-                 | 118-          |                          |        |

## SIRE OF DHIA DAUGHTERS

| Sires of Data Daughters                    |           |               |    |                  | AV. RECORDS | PRODUCTION OF DAU. |        |        | ADJ. AV. | HERD-MATES |        | AV. | PREDICTED AV. |        |
|--|-----------|---------------|----|------------------|-------------|--------------------|--------|--------|----------|------------|--------|-----|---------------|--------|
|  |           |               |    |                  | NUMBER      | MILK LB            | TEST % | FAT LB | NUMBER   | MILK LB    | FAT LB |     | MILK LB       | FAT LB |
| 1318630 LOFTY MAPLES DRMSBY IDEAL.....     |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 09-23-57                                   | 1013415   | 3107996       | 5  | NON-AI DAUGHTERS | 8           | 13,642             | 3.6    | 490    |          |            |        |     |               |        |
|  |           | LISTED, 05-64 | 5  | WITH HERD-MATES  | 8           | 13,642             | 3.6    | 490    |          | 7          | 15,477 | 549 |               |        |
| STATES-                                    | 32        |               |    |                  |             |                    |        |        |          | DIFF.      | 1835-  | 59- |               |        |
| 1318632 HARTHOLM CANARY ADMIRAL WAYNE..... |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 12-07-56                                   | 010197003 | 1864253       | 23 | NON-AI DAUGHTERS | 36          | 10,791             | 3.8    | 409    |          |            |        |     |               |        |
|  |           | LISTED, 08-63 | 23 | WITH HERD-MATES  | 36          | 10,791             | 3.8    | 409    |          | 15         | 10,811 | 403 |               |        |
| STATES-                                    | 32        |               |    |                  |             |                    |        |        |          | DIFF.      | 20-    | 6   |               |        |
| 1318692 DELMERE FARMS SUPREME PA8ST.....   |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 12-19-55                                   | 1161201   | 3989658       | 9  | NON-AI DAUGHTERS | 17          | 7,009              | 3.8    | 266    |          |            |        |     |               |        |
|  |           | LISTED, 01-63 | 9  | WITH HERD-MATES  | 17          | 7,009              | 3.8    | 266    |          | 4          | 8,902  | 321 |               |        |
| STATES-                                    | 23        |               |    |                  |             |                    |        |        |          | DIFF.      | 1893-  | 55- |               |        |
| 1318736 VILLAGE ACRES GRAND J BURKE.....   |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 09-18-57                                   | 1280289   | 4408903       | 8  | NON-AI DAUGHTERS | 10          | 9,851              | 3.6    | 355    |          |            |        |     |               |        |
|  |           | LISTED, 08-63 | 8  | WITH HERD-MATES  | 10          | 9,851              | 3.6    | 355    |          | 18         | 11,385 | 419 |               |        |
| STATES-                                    | 34        |               |    |                  |             |                    |        |        |          | DIFF.      | 1534-  | 64- |               |        |
| 1318821 .....                              |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
|  |           |               | 5  | NON-AI DAUGHTERS | 6           | 13,292             | 3.7    | 490    |          |            |        |     |               |        |
| STATES-                                    | 35        |               | 5  | WITH HERD-MATES  | 6           | 13,292             | 3.7    | 490    |          | 14         | 13,013 | 477 |               |        |
|  |           |               |    |                  |             |                    |        |        |          | DIFF.      | 279    | 13  |               |        |
| 1318897 ADLER DRMSBY MARK.....             |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 09-16-57                                   | 1257889   | 3688051       | 6  | NON-AI DAUGHTERS | 6           | 13,567             | 3.8    | 514    |          |            |        |     |               |        |
|  |           | LISTED, 05-64 | 6  | WITH HERD-MATES  | 6           | 13,567             | 3.8    | 514    |          | 10         | 13,235 | 502 |               |        |
| STATES-                                    | 84        |               |    |                  |             |                    |        |        |          | DIFF.      | 332    | 12  |               |        |
| 1318941 IDEDGRAPH ROBEL ROAMER.....        |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 11-18-57                                   | 1224313   | 3301408       | 14 | NON-AI DAUGHTERS | 15          | 13,138             | 3.6    | 473    |          |            |        |     |               |        |
|  |           | LISTED, 05-64 | 13 | WITH HERD-MATES  | 14          | 13,156             | 3.6    | 469    |          | 10         | 13,118 | 448 |               |        |
| STATES-                                    | 81,82     |               |    |                  |             |                    |        |        |          | DIFF.      | 38     | 21  |               |        |
| 1318983 .....                              |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
|  |           |               | 6  | NON-AI DAUGHTERS | 6           | 12,048             | 3.7    | 450    |          |            |        |     |               |        |
| STATES-                                    | 92        |               | 6  | WITH HERD-MATES  | 6           | 12,048             | 3.7    | 450    |          | 11         | 12,397 | 448 |               |        |
|  |           |               |    |                  |             |                    |        |        |          | DIFF.      | 349-   | 2   |               |        |
| 1319008 MARDOT DRMSBY HOMESTEAD REGAL..... |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 08-01-57                                   | 1244541   | 4231282       | 21 | NON-AI DAUGHTERS | 27          | 15,565             | 3.7    | 570    |          |            |        |     |               |        |
|  |           | LISTED, 11-63 | 21 | WITH HERD-MATES  | 27          | 15,565             | 3.7    | 570    |          | 13         | 14,273 | 522 |               |        |
| STATES-                                    | 45        |               |    |                  |             |                    |        |        |          | DIFF.      | 1292   | 48  |               |        |
| 1319044 .....                              |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
|  |           |               | 7  | NON-AI DAUGHTERS | 9           | 12,139             | 3.8    | 457    |          |            |        |     |               |        |
| STATES-                                    | 52        |               | 7  | WITH HERD-MATES  | 9           | 12,139             | 3.8    | 457    |          | 19         | 11,061 | 406 |               |        |
|  |           |               |    |                  |             |                    |        |        |          | DIFF.      | 1078   | 51  |               |        |
| 1319046 SENSATION HARTY CHIEF.....         |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 11-28-53                                   | 910029    | 2779393       | 43 | NON-AI DAUGHTERS | 111         | 10,769             | 3.8    | 406    |          |            |        |     |               |        |
|  |           | LISTED, 08-62 | 43 | WITH HERD-MATES  | 111         | 10,769             | 3.8    | 406    |          | 15         | 11,855 | 430 |               |        |
| STATES-                                    | 21        |               |    |                  |             |                    |        |        |          | DIFF.      | 1086-  | 24- |               |        |
| 1319066 THEDANA RUSTY - TWIN.....          |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 02-22-58                                   | 1184848   | 3851788       | 12 | NON-AI DAUGHTERS | 16          | 12,868             | 4.0    | 518    |          |            |        |     |               |        |
|  |           | LISTED, 11-63 | 12 | WITH HERD-MATES  | 16          | 12,868             | 4.0    | 518    |          | 65         | 13,290 | 501 |               |        |
| STATES-                                    | 23,34     |               |    |                  |             |                    |        |        |          | DIFF.      | 422-   | 17  |               |        |
| 1319186 TREOSTIS VILLE ORM BUTTER 80Y..... |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 11-11-57                                   | 1152252   | 3174838       | 5  | NON-AI DAUGHTERS | 5           | 14,194             | 3.5    | 497    |          |            |        |     |               |        |
|  |           | LISTED, 05-64 | 5  | WITH HERD-MATES  | 5           | 14,194             | 3.5    | 497    |          | 17         | 16,386 | 588 |               |        |
| STATES-                                    | 87        |               |    |                  |             |                    |        |        |          | DIFF.      | 2192-  | 91- |               |        |
| 1319230 WILLOMDNTE RAVEN IDEAL LARRY.....  |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 02-05-57                                   | 1113350   | 3720966       | 6  | NON-AI DAUGHTERS | 8           | 13,763             | 3.6    | 498    |          |            |        |     |               |        |
|  |           | LISTED, 05-64 | 6  | WITH HERD-MATES  | 8           | 13,763             | 3.6    | 498    |          | 13         | 13,204 | 505 |               |        |
| STATES-                                    | 92        |               |    |                  |             |                    |        |        |          | DIFF.      | 559    | 7-  |               |        |
| 1319234 BEACON R B I JUD.....              |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 03-16-58                                   | 1113350   | 3701827       | 9  | NON-AI DAUGHTERS | 12          | 15,452             | 3.4    | 519    |          |            |        |     |               |        |
|  |           | LISTED, 03-64 | 8  | WITH HERD-MATES  | 11          | 15,474             | 3.3    | 512    |          | 15         | 14,071 | 494 |               |        |
| STATES-                                    | 21        |               |    |                  |             |                    |        |        |          | DIFF.      | 1403   | 18  |               |        |
| 1319306 BISHOP REPRIDE ISABELLE TEX.....   |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 10-21-57                                   | 984799    | 3625290       | 11 | NON-AI DAUGHTERS | 11          | 12,647             | 3.9    | 498    |          |            |        |     |               |        |
|  |           | LISTED, 03-64 | 11 | WITH HERD-MATES  | 11          | 12,647             | 3.9    | 498    |          | 37         | 13,300 | 521 |               |        |
| STATES-                                    | 13        |               |    |                  |             |                    |        |        |          | DIFF.      | 653-   | 23- |               |        |
| 1319373 .....                              |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
|  |           |               | 5  | NON-AI DAUGHTERS | 6           | 12,757             | 3.7    | 470    |          |            |        |     |               |        |
| STATES-                                    | 21        |               | 5  | WITH HERD-MATES  | 6           | 12,757             | 3.7    | 470    |          | 135        | 12,771 | 452 |               |        |
|  |           |               |    |                  |             |                    |        |        |          | DIFF.      | 14-    | 18  |               |        |
| 1319374 KNOLLWDDO HIGH TEST.....           |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 12-03-57                                   | 1007680   | 3681425       | 8  | NON-AI DAUGHTERS | 9           | 9,028              | 4.0    | 365    |          |            |        |     |               |        |
|  |           | LISTED, 05-64 | 8  | WITH HERD-MATES  | 9           | 9,028              | 4.0    | 365    |          | 7          | 11,483 | 427 |               |        |
| STATES-                                    | 51        |               |    |                  |             |                    |        |        |          | DIFF.      | 2455-  | 62- |               |        |
| 1319457 RAIN80W CONSTANT.....              |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 08-26-57                                   | 1013415   | 3368451       | 8  | NON-AI DAUGHTERS | 8           | 15,859             | 3.5    | 556    |          |            |        |     |               |        |
|  |           | LISTED, 03-64 | 8  | WITH HERD-MATES  | 8           | 15,859             | 3.5    | 556    |          | 15         | 14,737 | 563 |               |        |
| STATES-                                    | 34        |               |    |                  |             |                    |        |        |          | DIFF.      | 1122   | 7-  |               |        |
| 1319458 RAIN80W BURKE IDEAL.....           |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
| 08-30-57                                   | 1013415   | 3513350       | 12 | NON-AI DAUGHTERS | 12          | 15,389             | 3.8    | 581    |          |            |        |     |               |        |
|  |           | LISTED, 03-64 | 12 | WITH HERD-MATES  | 12          | 15,389             | 3.8    | 581    |          | 11         | 15,320 | 590 |               |        |
| STATES-                                    | 34        |               |    |                  |             |                    |        |        |          | DIFF.      | 69     | 9-  |               |        |
| 1319594 .....                              |           |               |    |                  |             |                    |        |        |          |            |        |     |               |        |
|  |           |               | 5  | NON-AI DAUGHTERS | 7           | 12,752             | 3.2    | 409    |          |            |        |     |               |        |
| STATES-                                    | 35        |               | 5  | WITH HERD-MATES  | 7           | 12,752             | 3.2    | 409    |          | 6          | 13,221 | 482 |               |        |
|  |           |               |    |                  |             |                    |        |        |          | DIFF.      | 469-   | 73- |               |        |



## SIRE OF DHIA DAUGHTERS

| HDLSTEIN   | AV. PRODUCTION OF DAU. RECORDS MILK TEST % FAT L8 | ADJ. AV. MILK L8 | HERO-MATES AV. FAT L8 | PREDICTED AV. MILK L8 | AV. FAT L8 |
|--|---|------------------|-----------------------|-----------------------|------------|
| 1319626 GREENWDDO STARLITER.....                 |   |                  |                       |                       |            |
| 02-20-57 1125174 3429205 10 NON-AI DAUGHTERS     | 13 11,917 3.8 447                                 |                  |                       |                       |            |
| LISTED, 03-64 10 WITH HERD-MATES                 | 13 11,917 3.8 447                                 | 19 12,761 454    |                       |                       |            |
| STATES- 52,55                                    |   | DIFF. 844-       | 7-                    |                       |            |
| 1319671 .....                                    |   |                  |                       |                       |            |
| STATES- 23 11 NON-AI DAUGHTERS                   | 11 12,245 3.4 419                                 |                  |                       |                       |            |
| 11 WITH HERD-MATES                               | 11 12,245 3.4 419                                 | 13 13,612 476    |                       |                       |            |
|  |   | DIFF. 1367-      | 57-                   |                       |            |
| 1319700 N O H RAG APPLE CYRUS.....               |   |                  |                       |                       |            |
| 12-13-57 1151863 3657369 10 NON-AI DAUGHTERS     | 11 15,526 3.3 513                                 |                  |                       |                       |            |
| LISTED, 03-64 10 WITH HERD-MATES                 | 11 15,526 3.3 513                                 | 30 13,663 432    |                       |                       |            |
| STATES- 73                                       |   | DIFF. 1863       | 81                    |                       |            |
| 1319728 WILLEN MASTER OANDY.....                 |   |                  |                       |                       |            |
| 11-20-56 1238073 3112213 23 NON-AI DAUGHTERS     | 27 11,914 3.9 463                                 |                  |                       |                       |            |
| LISTED, 11-63 23 WITH HERD-MATES                 | 27 11,914 3.9 463                                 | 19 12,294 474    |                       |                       |            |
| STATES- 32                                       |   | DIFF. 380-       | 11-                   |                       |            |
| 1319821 .....                                    |   |                  |                       |                       |            |
| STATES- 32 5 NON-AI DAUGHTERS                    | 6 12,615 3.6 454                                  |                  |                       |                       |            |
| 4 WITH HERD-MATES                                | 5 12,894 3.6 460                                  | 18 13,740 510    |                       |                       |            |
|  |   | DIFF. 846-       | 50-                   |                       |            |
| 1319827 P & J TY VIC PANSY 80Y.....              |   |                  |                       |                       |            |
| 04-01-56 1235822 3819299 9 NON-AI DAUGHTERS      | 14 12,298 3.6 442                                 |                  |                       |                       |            |
| LISTED, 01-63 9 WITH HERD-MATES                  | 14 12,298 3.6 442                                 | 9 12,501 442     |                       |                       |            |
| STATES- 92                                       |   | DIFF. 203-       |                       |                       |            |
| 1319842 .....                                    |   |                  |                       |                       |            |
| STATES- 46 6 NON-AI DAUGHTERS                    | 6 11,367 3.6 408                                  |                  |                       |                       |            |
| 5 WITH HERD-MATES                                | 5 11,168 3.7 410                                  | 12 14,038 461    |                       |                       |            |
|  |   | DIFF. 2870-      | 51-                   |                       |            |
| 1319870 CLARINDA CHAMP M-O-W F08ES.....          |   |                  |                       |                       |            |
| 06-01-57 1252984 3312738 17 NON-AI DAUGHTERS     | 25 11,069 4.0 444                                 |                  |                       |                       |            |
| LISTED, 08-63 17 WITH HERD-MATES                 | 25 11,069 4.0 444                                 | 30 10,615 407    |                       |                       |            |
| STATES- 42                                       |   | DIFF. 454        | 37                    |                       |            |
| 1319895 RDEFLDRA WANDA GENERAL.....              |   |                  |                       |                       |            |
| 04-04-57 1208016 3553901 13 NON-AI DAUGHTERS     | 15 11,143 4.0 445                                 |                  |                       |                       |            |
| LISTED, 11-63 13 WITH HERD-MATES                 | 15 11,143 4.0 445                                 | 27 11,844 451    |                       |                       |            |
| STATES- 16                                       |   | DIFF. 701-       | 6-                    |                       |            |
| 1319947 RDCKCREST LEADER JASPER.....             |   |                  |                       |                       |            |
| 01-21-58 915940 3160788 8 NON-AI DAUGHTERS       | 10 11,904 3.8 451                                 |                  |                       |                       |            |
| LISTED, 03-64 8 WITH HERD-MATES                  | 10 11,904 3.8 451                                 | 9 12,250 461     |                       |                       |            |
| STATES- 42                                       |   | DIFF. 346-       | 10-                   |                       |            |
| 1319975 .....                                    |   |                  |                       |                       |            |
| STATES- 23 6 NON-AI DAUGHTERS                    | 7 14,677 3.9 571                                  |                  |                       |                       |            |
| 6 WITH HERD-MATES                                | 7 14,677 3.9 571                                  | 12 14,164 535    |                       |                       |            |
|  |   | DIFF. 513        | 36                    |                       |            |
| 1320003 LOUIE SMDKER GDMAR.....                  |   |                  |                       |                       |            |
| 08-01-56 1257394 3299530 8 NON-AI DAUGHTERS      | 8 14,550 3.7 533                                  |                  |                       |                       |            |
| LISTED, 11-63 8 WITH HERD-MATES                  | 8 14,550 3.7 533                                  | 10 14,312 521    |                       |                       |            |
| STATES- 32                                       |   | DIFF. 238        | 12                    |                       |            |
| 1320015 GLENAFTDN GRAPHIC.....                   |   |                  |                       |                       |            |
| 12-21-56 010249530 011155492 15 NON-AI DAUGHTERS | 16 16,994 3.6 616                                 |                  |                       |                       |            |
| AI STUO, 34-01 LISTED, 05-64 14 WITH HERD-MATES  | 14 17,119 3.6 609                                 | 10 14,667 538    |                       |                       |            |
| STATES- 34                                       |   | DIFF. 2452       | 71                    |                       |            |
| 1320021 HONEY LANE BURKE KDRNDYKE.....           |   |                  |                       |                       |            |
| 08-21-56 1235784 3103725 10 NON-AI DAUGHTERS     | 16 11,254 3.4 386                                 |                  |                       |                       |            |
| LISTED, 08-62 10 WITH HERD-MATES                 | 16 11,254 3.4 386                                 | 11 11,830 423    |                       |                       |            |
| STATES- 31                                       |   | DIFF. 576-       | 37-                   |                       |            |
| 1320057 RIVERSIDE MASTER PRIOR.....              |   |                  |                       |                       |            |
| 11-24-57 1066477 2418080 13 NON-AI DAUGHTERS     | 16 15,404 3.7 572                                 |                  |                       |                       |            |
| LISTED, 11-63 13 WITH HERD-MATES                 | 16 15,404 3.7 572                                 | 13 16,174 579    |                       |                       |            |
| STATES- 52                                       |   | DIFF. 770-       | 7-                    |                       |            |
| 1320117 LYREEOALE RDYAL BURKE.....               |   |                  |                       |                       |            |
| 12-01-57 1153789 3551545 12 NON-AI DAUGHTERS     | 16 19,378 3.5 679                                 |                  |                       |                       |            |
| LISTED, 11-63 12 WITH HERD-MATES                 | 16 19,378 3.5 679                                 | 12 16,473 587    |                       |                       |            |
| STATES- 86                                       |   | DIFF. 2905       | 92                    |                       |            |
| 1320124 MAYTIME PA8ST MELLDW.....                |   |                  |                       |                       |            |
| 06-29-55 1010660 3701027 9 NON-AI DAUGHTERS      | 9 11,667 3.8 441                                  |                  |                       |                       |            |
| AI STUO, 41-25 LISTED, 08-62 9 WITH HERD-MATES   | 9 11,667 3.8 441                                  | 9 13,108 466     |                       |                       |            |
| STATES- 35,41                                    |   | DIFF. 1441-      | 25-                   |                       |            |
| 1320208 FERNHAME JEWEL BEACON HILL.....          |   |                  |                       |                       |            |
| 06-11-57 1194212 3387384 11 NON-AI DAUGHTERS     | 11 12,870 3.8 495                                 |                  |                       |                       |            |
| LISTED, 11-63 11 WITH HERD-MATES                 | 11 12,870 3.8 495                                 | 22 14,920 570    |                       |                       |            |
| STATES- 11,14,21                                 |   | DIFF. 2050-      | 75-                   |                       |            |
| 1320284 .....                                    |   |                  |                       |                       |            |
| STATES- 35 5 NON-AI DAUGHTERS                    | 5 14,542 4.0 585                                  |                  |                       |                       |            |
| 4 WITH HERD-MATES                                | 4 15,140 4.0 606                                  | 27 15,169 603    |                       |                       |            |
|  |   | DIFF. 29-        | 3                     |                       |            |
| 1320301 .....                                    |   |                  |                       |                       |            |
| STATES- 41 11 NON-AI DAUGHTERS                   | 15 13,303 3.7 487                                 |                  |                       |                       |            |
| 11 WITH HERD-MATES                               | 15 13,303 3.7 487                                 | 5 13,169 480     |                       |                       |            |
|  |   | DIFF. 134        | 7                     |                       |            |
| 1320302 .....                                    |   |                  |                       |                       |            |
| STATES- 41 5 NON-AI DAUGHTERS                    | 6 12,392 3.6 447                                  |                  |                       |                       |            |
| 5 WITH HERD-MATES                                | 6 12,392 3.6 447                                  | 9 12,831 458     |                       |                       |            |
|  |   | DIFF. 439-       | 11-                   |                       |            |

## SIRE OF DHIA DAUGHTERS

## HOLSTEIN

|                |                                     |     |                  | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HFR0-MATES AV. |       |        | PREDICTED AV. |            |
|----------------|-------------------------------------|-----|------------------|------------------------|--------|------|-----|---------------------|-------|--------|---------------|------------|
|                |                                     |     |                  | RECORDS                | MILK   | TEST | FAT | NUMBER              | MILK  | FAT    | MILK          | FAT        |
|                |                                     |     |                  | NUMBER                 | LB     | %    | LB  |                     |       | LB     | LB            | LB         |
| 1320304        | B O I LUCOVODUG LON.....            |     |                  |                        |        |      |     |                     |       |        |               |            |
| 08-22-57       | 769170 3143424                      | 80  | AI DAUGHTERS-25* | 116                    | 13,370 | 3.5  | 470 |                     |       |        |               |            |
| AI STUD, 41-01 | LISTED, 03-64                       | 79  | WITH HERD-MATES  | 113                    | 13,360 | 3.5  | 470 |                     |       |        | 13,087        | 466        |
| STATES-        | 35,41,42,46                         |     |                  |                        |        |      |     |                     | 21    | 12,663 | 457           |            |
|                |                                     | 1   | NON-AI DAUGHTERS | 2                      | 11,500 | 4.0  | 456 |                     | DIFF. | 697    | 13            |            |
|                |                                     | 1   | WITH HERD-MATES  | 2                      | 11,500 | 4.0  | 456 |                     | 20    | 13,294 | 491           |            |
|                |                                     |     |                  |                        |        |      |     |                     | DIFF. | 1794-  | 35-           |            |
| 1320305        | B D I VARALEMP ALAN.....            |     |                  |                        |        |      |     |                     |       |        |               |            |
| 07-10-57       | 1082020 3617038                     | 28  | AI DAUGHTERS-21  | 48                     | 13,485 | 3.8  | 514 |                     |       |        |               |            |
| AI STUD, 41-01 | LISTED, 03-64                       | 28  | WITH HERD-MATES  | 48                     | 13,485 | 3.8  | 514 |                     | 32    | 13,362 | 483           | 12,619 479 |
| STATES-        | 41,42,45,46                         |     |                  |                        |        |      |     |                     | DIFF. | 123    | 31            |            |
| 1320310        | EMPEROR DUKE ARCHIE.....            |     |                  |                        |        |      |     |                     |       |        |               |            |
| 01-23-58       | 1112211 3280791                     | 20  | NON-AI DAUGHTERS | 21                     | 16,609 | 3.7  | 615 |                     |       |        |               |            |
| AI STUD, 23-08 | LISTED, 03-64                       | 20  | WITH HERD-MATES  | 21                     | 16,609 | 3.7  | 615 |                     | 18    | 14,761 | 555           |            |
| STATES-        | 23                                  |     |                  |                        |        |      |     |                     | DIFF. | 1848   | 60            |            |
| 1320334        | FG TUP REGAL.....                   |     |                  |                        |        |      |     |                     |       |        |               |            |
| 01-16-         | 1208003 3181334                     | 13  | NON-AI DAUGHTERS | 13                     | 14,255 | 3.3  | 467 |                     |       |        |               |            |
|                | LISTED, 03-64                       | 13  | WITH HERD-MATES  | 13                     | 14,255 | 3.3  | 467 |                     | 13    | 13,597 | 462           |            |
| STATES-        |                                     |     |                  |                        |        |      |     |                     | DIFF. | 658    | 5             |            |
| 1320458        | 1AVACRES DUSTY JO PECOS.....        |     |                  |                        |        |      |     |                     |       |        |               |            |
| 03-22-58       | 1117035 4080983                     | 181 | AI DAUGHTERS-25* | 249                    | 13,859 | 3.8  | 522 |                     |       |        |               |            |
| AI STUD, 23-08 | LISTED, 05-64                       | 181 | WITH HERD-MATES  | 248                    | 13,869 | 3.8  | 522 |                     | 20    | 13,722 | 525           | 12,724 459 |
| STATES-        | 21,23,50,51                         |     |                  |                        |        |      |     |                     | DIFF. | 147    | 3-            |            |
| 1320484        | F-G-P CARNATION FORWARD.....        |     |                  |                        |        |      |     |                     |       |        |               |            |
| 12-04-57       | 1276959 4027201                     | 8   | NON-AI DAUGHTERS | 12                     | 13,188 | 3.7  | 490 |                     |       |        |               |            |
|                | LISTED, 08-63                       | 8   | WITH HERD-MATES  | 11                     | 13,259 | 3.7  | 494 |                     | 16    | 13,324 | 515           |            |
| STATES-        | 23                                  |     |                  |                        |        |      |     |                     | DIFF. | 65-    | 21-           |            |
| 1320552        | MEADOWFARM DOUBLE IDEAL - TWIN..... |     |                  |                        |        |      |     |                     |       |        |               |            |
| 01-01-58       | 1013415 3920895                     | 15  | NON-AI DAUGHTERS | 15                     | 14,357 | 3.7  | 535 |                     |       |        |               |            |
|                | LISTED, 03-64                       | 15  | WITH HERD-MATES  | 15                     | 14,357 | 3.7  | 535 |                     | 43    | 13,925 | 509           |            |
| STATES-        | 52,55                               |     |                  |                        |        |      |     |                     | DIFF. | 432    | 26            |            |
| 1320581        | TERRACE HEIGHTS GRAHAM JOE.....     |     |                  |                        |        |      |     |                     |       |        |               |            |
| 11-11-57       | 1189010 3462325                     | 9   | NON-AI DAUGHTERS | 9                      | 13,200 | 3.7  | 487 |                     |       |        |               |            |
|                | LISTED, 05-64                       | 9   | WITH HERD-MATES  | 9                      | 13,200 | 3.7  | 487 |                     | 6     | 13,129 | 463           |            |
| STATES-        | 35                                  |     |                  |                        |        |      |     |                     | DIFF. | 71     | 24            |            |
| 1320589        | GLENAFTON BEACON.....               |     |                  |                        |        |      |     |                     |       |        |               |            |
| 05-24-57       | 010239301 010932983                 | 17  | NON-AI DAUGHTERS | 19                     | 12,691 | 3.4  | 435 |                     |       |        |               |            |
|                | LISTED, 03-64                       | 17  | WITH HERD-MATES  | 19                     | 12,691 | 3.4  | 435 |                     | 411   | 12,091 | 429           |            |
| STATES-        | 34                                  |     |                  |                        |        |      |     |                     | DIFF. | 600    | 6             |            |
| 1320633        | ODNNANOALE MABBY QUENTIN.....       |     |                  |                        |        |      |     |                     |       |        |               |            |
| 03-16-58       | 1248158 3576531                     | 8   | NON-AI DAUGHTERS | 8                      | 11,840 | 3.5  | 412 |                     |       |        |               |            |
|                | LISTED, 05-64                       | 8   | WITH HERD-MATES  | 8                      | 11,840 | 3.5  | 412 |                     | 14    | 12,817 | 455           |            |
| STATES-        | 21                                  |     |                  |                        |        |      |     |                     | DIFF. | 977-   | 43-           |            |
| 1320691        | .....                               |     |                  |                        |        |      |     |                     |       |        |               |            |
|                |                                     | 6   | NON-AI DAUGHTERS | 9                      | 12,848 | 3.1  | 399 |                     |       |        |               |            |
| STATES-        | 32                                  | 6   | WITH HERD-MATES  | 9                      | 12,848 | 3.1  | 399 |                     | 36    | 10,351 | 349           |            |
|                |                                     |     |                  |                        |        |      |     |                     | DIFF. | 2497   | 50            |            |
| 1320697        | CASH-MAR P CORRINE M.....           |     |                  |                        |        |      |     |                     |       |        |               |            |
| 12-07-57       | 1231051 3637319                     | 11  | NON-AI DAUGHTERS | 11                     | 11,623 | 3.3  | 388 |                     |       |        |               |            |
|                | LISTED, 03-64                       | 11  | WITH HERD-MATES  | 11                     | 11,623 | 3.3  | 388 |                     | 17    | 11,678 | 397           |            |
| STATES-        | 57,64                               |     |                  |                        |        |      |     |                     | DIFF. | 55-    | 9-            |            |
| 1320715        | ODN-AL MERCEDES ROBURKE DAN.....    |     |                  |                        |        |      |     |                     |       |        |               |            |
| 09-04-56       | 1024453 2725673                     | 21  | NON-AI DAUGHTERS | 30                     | 11,447 | 3.5  | 400 |                     |       |        |               |            |
|                | LISTED, 01-63                       | 21  | WITH HERD-MATES  | 30                     | 11,447 | 3.5  | 400 |                     | 8     | 12,084 | 437           |            |
| STATES-        | 34                                  |     |                  |                        |        |      |     |                     | DIFF. | 637-   | 37-           |            |
| 1320727        | RAVENGLIN CADET TRIUNE.....         |     |                  |                        |        |      |     |                     |       |        |               |            |
| 01-08-58       | 1277087 3956096                     | 28  | NON-AI DAUGHTERS | 30                     | 14,812 | 3.6  | 538 |                     |       |        |               |            |
| AI STUD, 34-01 | LISTED, 05-64                       | 28  | WITH HERD-MATES  | 30                     | 14,812 | 3.6  | 538 |                     | 27    | 14,698 | 548           |            |
| STATES-        | 21,33,34,35,42                      |     |                  |                        |        |      |     |                     | DIFF. | 114    | 10-           |            |
| 1320730        | .....                               |     |                  |                        |        |      |     |                     |       |        |               |            |
|                |                                     | 5   | NON-AI DAUGHTERS | 5                      | 14,440 | 3.7  | 536 |                     |       |        |               |            |
| STATES-        | 35                                  | 5   | WITH HERD-MATES  | 5                      | 14,440 | 3.7  | 536 |                     | 9     | 14,299 | 549           |            |
|                |                                     |     |                  |                        |        |      |     |                     | DIFF. | 141    | 13-           |            |
| 1320737        | MOD MEADOWS IDEAL BUO.....          |     |                  |                        |        |      |     |                     |       |        |               |            |
| 03-29-57       | 1D90340 3028503                     | 9   | NON-AI DAUGHTERS | 14                     | 14,244 | 3.9  | 558 |                     |       |        |               |            |
|                | LISTED, 11-63                       | 9   | WITH HERD-MATES  | 14                     | 14,244 | 3.9  | 558 |                     | 61    | 13,469 | 500           |            |
| STATES-        | 33                                  |     |                  |                        |        |      |     |                     | DIFF. | 775    | 58            |            |
| 1320819        | .....                               |     |                  |                        |        |      |     |                     |       |        |               |            |
|                |                                     | 7   | NON-AI DAUGHTERS | 9                      | 13,156 | 3.6  | 475 |                     |       |        |               |            |
| STATES-        | 23                                  | 7   | WITH HERD-MATES  | 9                      | 13,156 | 3.6  | 475 |                     | 16    | 12,434 | 475           |            |
|                |                                     |     |                  |                        |        |      |     |                     | DIFF. | 722    |               |            |
| 1320827        | .....                               |     |                  |                        |        |      |     |                     |       |        |               |            |
|                |                                     | 6   | NON-AI DAUGHTERS | 7                      | 16,975 | 3.4  | 580 |                     |       |        |               |            |
| STATES-        | 31,32                               | 6   | WITH HERD-MATES  | 7                      | 16,975 | 3.4  | 580 |                     | 17    | 14,279 | 516           |            |
|                |                                     |     |                  |                        |        |      |     |                     | DIFF. | 2696   | 64            |            |
| 1320839        | PERROTT LEAOR SILVER KING.....      |     |                  |                        |        |      |     |                     |       |        |               |            |
| 01-01-58       | 1249434 2777703                     | 11  | NON-AI DAUGHTERS | 15                     | 13,593 | 3.8  | 512 |                     |       |        |               |            |
|                | LISTED, 11-63                       | 11  | WITH HERD-MATES  | 15                     | 13,593 | 3.8  | 512 |                     | 20    | 12,623 | 444           |            |
| STATES-        | 84                                  |     |                  |                        |        |      |     |                     | DIFF. | 970    | 68            |            |
| 1320890        | WOODVILLE HYATT SFGIS.....          |     |                  |                        |        |      |     |                     |       |        |               |            |
| 11-02-57       | 1108504 3293480                     | 12  | NON-AI DAUGHTERS | 17                     | 14,992 | 3.5  | 520 |                     |       |        |               |            |
|                | LISTED, 08-63                       | 12  | WITH HERD-MATES  | 17                     | 14,992 | 3.5  | 520 |                     | 51    | 13,710 | 481           |            |
| STATES-        | 23                                  |     |                  |                        |        |      |     |                     | DIFF. | 1282   | 39            |            |

## SIRE OF DHIA DAUGHTERS

| HDLSTEIN                                  | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERO-MATES AV. |            |           | PREDICTED AV. |           |
|---|------------------------|------------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|   | RECORDS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1320946 .....                             |                        |                  |           |           |                     |            |           |               |           |
| STATES- 13,52                             | 5                      | NDN-AI DAUGHTERS | 6         | 12,292    | 4.1                 | 498        |           |               |           |
|   | 5                      | WITH HERO-MATES  | 6         | 12,292    | 4.1                 | 498        | 15        | 12,918        | 481       |
|   |                        |                  |           |           |                     |            | DIFF.     | 626-          | 17        |
| 1320948 .....                             |                        |                  |           |           |                     |            |           |               |           |
| STATES- 12                                | 5                      | NON-AI DAUGHTERS | 7         | 8,271     | 3.6                 | 298        |           |               |           |
|   | 5                      | WITH HERO-MATES  | 7         | 8,271     | 3.6                 | 298        | 7         | 9,127         | 349       |
|   |                        |                  |           |           |                     |            | DIFF.     | 856-          | 51-       |
| 1320955 FORRESTERS MECHTHILDE LEADER..... |                        |                  |           |           |                     |            |           |               |           |
| 02-24-58 915940 3204697                   | 10                     | NDN-AI DAUGHTERS | 14        | 12,091    | 3.5                 | 426        |           |               |           |
| LISTED, 11-63                             | 10                     | WITH HERO-MATES  | 14        | 12,091    | 3.5                 | 426        | 52        | 13,079        | 491       |
| STATES- 42                                |                        |                  |           |           |                     |            | DIFF.     | 988-          | 65-       |
| 1321011 MT PLEASANT PILDOT BESSIE.....    |                        |                  |           |           |                     |            |           |               |           |
| 07-31-57 1189590 2800337                  | 12                     | AI DAUGHTERS-02  | 15        | 14,797    | 3.5                 | 518        |           |               |           |
| AI STUD, 42-08 LISTED, 05-64              | 12                     | WITH HERO-MATES  | 15        | 14,797    | 3.5                 | 518        | 28        | 14,220        | 513       |
| STATES- 42                                |                        |                  |           |           |                     |            | DIFF.     | 577           | 5         |
|   | 1                      | NON-AI DAUGHTERS | 2         | 14,245    | 3.3                 | 477        |           |               |           |
|   | 1                      | WITH HERO-MATES  | 2         | 14,245    | 3.3                 | 477        | 23        | 14,918        | 538       |
|   |                        |                  |           |           |                     |            | DIFF.     | 673-          | 61-       |
| 1321047 .....                             |                        |                  |           |           |                     |            |           |               |           |
| STATES- 42                                | 8                      | NON-AI DAUGHTERS | 9         | 13,118    | 3.8                 | 498        |           |               |           |
|   | 8                      | WITH HERO-MATES  | 9         | 13,118    | 3.8                 | 498        | 3         | 12,866        | 471       |
|   |                        |                  |           |           |                     |            | DIFF.     | 252           | 27        |
| 1321165 DDDRTHIL LUCIFER LULA LONNIE..... |                        |                  |           |           |                     |            |           |               |           |
| 01-18-58 1151694 3356333                  | 18                     | NDN-AI DAUGHTERS | 25        | 13,003    | 4.0                 | 525        |           |               |           |
| LISTED, 11-63                             | 18                     | WITH HERO-MATES  | 25        | 13,003    | 4.0                 | 525        | 19        | 12,898        | 475       |
| STATES- 55                                |                        |                  |           |           |                     |            | DIFF.     | 105           | 50        |
| 1321233 COMMONWEALTH KSP LONDON ADEN..... |                        |                  |           |           |                     |            |           |               |           |
| 09-23-57 1194281 4037483                  | 24                     | NDN-AI DAUGHTERS | 27        | 10,856    | 3.8                 | 409        |           |               |           |
| LISTED, 03-64                             | 24                     | WITH HERO-MATES  | 27        | 10,856    | 3.8                 | 409        | 51        | 11,388        | 425       |
| STATES- 61                                |                        |                  |           |           |                     |            | DIFF.     | 532-          | 16-       |
| 1321267 S P S M FAYNE FOND HOPE.....      |                        |                  |           |           |                     |            |           |               |           |
| 01-31-58 1173240 3332561                  | 12                     | NDN-AI DAUGHTERS | 12        | 13,774    | 3.5                 | 481        |           |               |           |
| LISTED, 03-64                             | 12                     | WITH HERO-MATES  | 12        | 13,774    | 3.5                 | 481        | 64        | 14,509        | 504       |
| STATES- 34                                |                        |                  |           |           |                     |            | DIFF.     | 735-          | 23-       |
| 1321320 NOLLER RAVEN FRYSLAN.....         |                        |                  |           |           |                     |            |           |               |           |
| 04-24-56 909839 3312851                   | 11                     | NDN-AI DAUGHTERS | 17        | 15,041    | 3.6                 | 538        |           |               |           |
| LISTED, 08-62                             | 11                     | WITH HERO-MATES  | 17        | 15,041    | 3.6                 | 538        | 6         | 13,714        | 501       |
| STATES- 33                                |                        |                  |           |           |                     |            | DIFF.     | 1327          | 37        |
| 1321392 ST CRDIXCD CYCLONE.....           |                        |                  |           |           |                     |            |           |               |           |
| 12-02-57 1213880 3909154                  | 12                     | NDN-AI DAUGHTERS | 16        | 13,830    | 3.7                 | 507        |           |               |           |
| LISTED, 03-64                             | 12                     | WITH HERO-MATES  | 16        | 13,830    | 3.7                 | 507        | 11        | 14,109        | 539       |
| STATES- 35                                |                        |                  |           |           |                     |            | DIFF.     | 279-          | 32-       |
| 1321445 CHEMUNG TOP LUCKY.....            |                        |                  |           |           |                     |            |           |               |           |
| 03-15-58 1264035 4015638                  | 8                      | NDN-AI DAUGHTERS | 8         | 9,771     | 3.8                 | 375        |           |               |           |
| LISTED, 03-64                             | 8                      | WITH HERO-MATES  | 8         | 9,771     | 3.8                 | 375        | 26        | 12,667        | 454       |
| STATES- 43,48,74                          |                        |                  |           |           |                     |            | DIFF.     | 2896-         | 79-       |
| 1321517 MDDSEHEART HEADLINER.....         |                        |                  |           |           |                     |            |           |               |           |
| 11-30-57 1156059 3290650                  | 68                     | AI DAUGHTERS-25* | 70        | 14,327    | 3.6                 | 516        |           |               |           |
| AI STUD, 35-03 LISTED, 05-64              | 68                     | WITH HERO-MATES  | 69        | 14,381    | 3.6                 | 518        | 16        | 13,678        | 502       |
| STATES- 35,61,74                          |                        |                  |           |           |                     |            | DIFF.     | 703           | 16        |
| 1321547 .....                             |                        |                  |           |           |                     |            |           |               |           |
| STATES- 31                                | 6                      | NON-AI DAUGHTERS | 6         | 10,683    | 3.6                 | 384        |           |               |           |
|   | 6                      | WITH HERO-MATES  | 6         | 10,683    | 3.6                 | 384        | 8         | 13,983        | 509       |
|   |                        |                  |           |           |                     |            | DIFF.     | 3300-         | 125-      |
| 1321560 DI88LE CRESCENT IDEAL PRINCE..... |                        |                  |           |           |                     |            |           |               |           |
| 01-31-58 1276617 4136573                  | 10                     | NON-AI DAUGHTERS | 11        | 12,017    | 3.4                 | 414        |           |               |           |
| LISTED, 03-64                             | 10                     | WITH HERO-MATES  | 11        | 12,017    | 3.4                 | 414        | 14        | 13,109        | 456       |
| STATES- 74                                |                        |                  |           |           |                     |            | DIFF.     | 1092-         | 42-       |
| 1321592 WILLMIL VARDUSK ROCKY.....        |                        |                  |           |           |                     |            |           |               |           |
| 08-15-55 1037357 2950808                  | 9                      | NDN-AI DAUGHTERS | 10        | 13,274    | 3.4                 | 454        |           |               |           |
| LISTED, 05-64                             | 9                      | WITH HERO-MATES  | 10        | 13,274    | 3.4                 | 454        | 37        | 13,723        | 497       |
| STATES- 52,92                             |                        |                  |           |           |                     |            | DIFF.     | 449-          | 43-       |
| 1321603 .....                             |                        |                  |           |           |                     |            |           |               |           |
| STATES- 35                                | 7                      | NON-AI DAUGHTERS | 8         | 10,454    | 3.7                 | 385        |           |               |           |
|   | 7                      | WITH HERO-MATES  | 8         | 10,454    | 3.7                 | 385        | 6         | 11,889        | 461       |
|   |                        |                  |           |           |                     |            | DIFF.     | 1435-         | 76-       |
| 1321743 .....                             |                        |                  |           |           |                     |            |           |               |           |
| STATES- 42                                | 6                      | NON-AI DAUGHTERS | 6         | 12,102    | 3.8                 | 461        |           |               |           |
|   | 6                      | WITH HERO-MATES  | 6         | 12,102    | 3.8                 | 461        | 6         | 13,693        | 475       |
|   |                        |                  |           |           |                     |            | DIFF.     | 1591-         | 14-       |
| 1321749 .....                             |                        |                  |           |           |                     |            |           |               |           |
| STATES- 48                                | 7                      | NON-AI DAUGHTERS | 11        | 12,889    | 3.3                 | 429        |           |               |           |
|   | 6                      | WITH HERO-MATES  | 10        | 13,537    | 3.4                 | 456        | 9         | 12,752        | 468       |
|   |                        |                  |           |           |                     |            | DIFF.     | 785           | 12-       |
| 1321750 .....                             |                        |                  |           |           |                     |            |           |               |           |
| STATES- 47,48,73                          | 5                      | NON-AI DAUGHTERS | 6         | 13,273    | 4.0                 | 526        |           |               |           |
|   | 5                      | WITH HERO-MATES  | 6         | 13,273    | 4.0                 | 526        | 12        | 14,684        | 518       |
|   |                        |                  |           |           |                     |            | DIFF.     | 1411-         | 8         |
| 1321778 .....                             |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23                                | 5                      | NON-AI DAUGHTERS | 5         | 14,752    | 3.6                 | 528        |           |               |           |
|   | 5                      | WITH HERO-MATES  | 5         | 14,752    | 3.6                 | 528        | 9         | 13,289        | 509       |
|   |                        |                  |           |           |                     |            | DIFF.     | 1463          | 19        |





## SIRE OF OHIA DAUGHTERS

| HOLSTEIN               |  |                    |        | AV. PRODUCTION OF | DAU. | ADJ. HERO-MATES | AV.    | PREDICTED AV. |     |
|------------------------|--|--------------------|--------|-------------------|------|-----------------|--------|---------------|-----|
|                        |  |                    |        | RECORDS           | MILK | TEST            | FAT    | MILK          | FAT |
|                        |  |                    |        | NUMBER            | L8   | %               | L8     | NUMBER        | L8  |
| 1322511                | .....                                  | 5 NON-AI DAUGHTERS | 5      | 13,224            | 3.9  | 510             |        |               |     |
| STATES- 21             | 5 WITH HERD-MATES                      | 5                  | 13,224 | 3.9               | 510  | 8               | 11,838 | 440           |     |
|                        |  |                    |        |                   |      | OIFF.           | 1386   | 70            |     |
| 1322521                | .....                                  | 5 NON-AI DAUGHTERS | 6      | 11,907            | 3.6  | 433             |        |               |     |
| STATES- 32             | 5 WITH HERD-MATES                      | 6                  | 11,907 | 3.6               | 433  | 14              | 13,549 | 519           |     |
|                        |  |                    |        |                   |      | OIFF.           | 1642-  | 86-           |     |
| 1322527                | HASSEN GRANO F08ES SUPREME.....        |                    |        |                   |      |                 |        |               |     |
| 02-20-58               | 967010 3190600 11 NON-AI DAUGHTERS     | 13                 | 11,602 | 3.9               | 450  |                 |        |               |     |
|                        | LISTEO, 03-64 11 WITH HERD-MATES       | 13                 | 11,602 | 3.9               | 450  | 31              | 12,496 | 468           |     |
| STATES- 51,52,55,61    |  |                    |        |                   |      | OIFF.           | 894-   | 18-           |     |
| 1322584                | .....                                  | 5 NON-AI DAUGHTERS | 6      | 12,626            | 3.4  | 428             |        |               |     |
| STATES- 21,57,84       | 5 WITH HERD-MATES                      | 6                  | 12,626 | 3.4               | 428  | 18              | 12,869 | 447           |     |
|                        |  |                    |        |                   |      | OIFF.           | 243-   | 19-           |     |
| 1322695                | .....                                  | 5 NON-AI DAUGHTERS | 5      | 10,856            | 3.4  | 365             |        |               |     |
| STATES- 31             | 5 WITH HERD-MATES                      | 5                  | 10,856 | 3.4               | 365  | 25              | 13,691 | 467           |     |
|                        |  |                    |        |                   |      | DIFF.           | 2835-  | 102-          |     |
| 1322764                | .....                                  | 9 NON-AI DAUGHTERS | 10     | 16,021            | 3.5  | 555             |        |               |     |
| STATES- 91             | 9 WITH HERD-MATES                      | 10                 | 16,021 | 3.5               | 555  | 52              | 16,920 | 595           |     |
|                        |  |                    |        |                   |      | OIFF.           | 899-   | 40-           |     |
| 1323020                | STANOARD SON-RAY REFLECTION.....       |                    |        |                   |      |                 |        |               |     |
| 12-11-57               | 010198998 3396902 14 NON-AI DAUGHTERS  | 15                 | 12,969 | 4.1               | 527  |                 |        |               |     |
|                        | LISTEO, 03-64 14 WITH HERD-MATES       | 15                 | 12,969 | 4.1               | 527  | 9               | 12,351 | 461           |     |
| STATES- 23,51,55       |  |                    |        |                   |      | OIFF.           | 618    | 66            |     |
| 1323043                | SKOKIE SENSATION DOUBLE.....           |                    |        |                   |      |                 |        |               |     |
| 12-06-57               | 1267271 2980597 27 NON-AI DAUGHTERS    | 28                 | 16,016 | 3.8               | 602  |                 |        |               |     |
|                        | LISTEO, 03-64 27 WITH HERD-MATES       | 28                 | 16,016 | 3.8               | 602  | 45              | 16,176 | 603           |     |
| STATES- 16,21          |  |                    |        |                   |      | OIFF.           | 160-   | 1-            |     |
| 1323113                | INKA PABST OLIVER.....                 |                    |        |                   |      |                 |        |               |     |
| 02-08-58               | 1102436 4169881 11 NON-AI DAUGHTERS    | 14                 | 8,316  | 3.7               | 304  |                 |        |               |     |
|                        | LISTEO, 08-63 11 WITH HERD-MATES       | 14                 | 8,316  | 3.7               | 304  | 9               | 9,206  | 325           |     |
| STATES- 23             |  |                    |        |                   |      | OIFF.           | 890-   | 21-           |     |
| 1323166                | PINEYHILL SOVEREIGN PRINCE.....        |                    |        |                   |      |                 |        |               |     |
| 01-31-57               | 1007680 3867416 11 NON-AI DAUGHTERS    | 14                 | 9,577  | 3.9               | 372  |                 |        |               |     |
|                        | LISTEO, 11-63 11 WITH HERD-MATES       | 14                 | 9,577  | 3.9               | 372  | 7               | 10,224 | 379           |     |
| STATES- 23             |  |                    |        |                   |      | OIFF.           | 647-   | 7-            |     |
| 1323268                | .....                                  | 5 NON-AI DAUGHTERS | 5      | 15,160            | 4.0  | 604             |        |               |     |
| STATES- 23             | 5 WITH HERD-MATES                      | 5                  | 15,160 | 4.0               | 604  | 17              | 13,324 | 524           |     |
|                        |  |                    |        |                   |      | OIFF.           | 1836   | 80            |     |
| 1323323                | MAR RO OUNLOGGIN TOWERLINE.....        |                    |        |                   |      |                 |        |               |     |
| 01-22-58               | 1004232 3398725 8 NON-AI DAUGHTERS     | 12                 | 13,706 | 3.8               | 520  |                 |        |               |     |
|                        | LISTEO, 05-64 8 WITH HERD-MATES        | 12                 | 13,706 | 3.8               | 520  | 7               | 14,414 | 520           |     |
| STATES- 31             |  |                    |        |                   |      | OIFF.           | 708-   |               |     |
| 1323369                | .....                                  | 6 NON-AI DAUGHTERS | 6      | 10,130            | 3.8  | 382             |        |               |     |
| STATES- 23,31,34,35,85 | 6 WITH HERD-MATES                      | 6                  | 10,130 | 3.8               | 382  | 23              | 12,883 | 462           |     |
|                        |  |                    |        |                   |      | OIFF.           | 2753-  | 80-           |     |
| 1323372                | .....                                  | 8 NON-AI DAUGHTERS | 8      | 15,503            | 3.6  | 560             |        |               |     |
| STATES- 85             | 8 WITH HERD-MATES                      | 8                  | 15,503 | 3.6               | 560  | 164             | 15,860 | 552           |     |
|                        |  |                    |        |                   |      | OIFF.           | 357-   | 8             |     |
| 1323375                | PABST OLIVER PLUME.....                |                    |        |                   |      |                 |        |               |     |
| 12-26-57               | 1194954 3849495 11 NON-AI DAUGHTERS    | 14                 | 11,998 | 3.5               | 418  |                 |        |               |     |
| AI STUD, 35-04         | LISTEO, 03-64 11 WITH HERD-MATES       | 14                 | 11,998 | 3.5               | 418  | 7               | 11,710 | 430           |     |
| STATES- 35             |  |                    |        |                   |      | OIFF.           | 288    | 12-           |     |
| 1323400                | 8ONO HAVEN CENTURION ROAMER.....       |                    |        |                   |      |                 |        |               |     |
| 05-16-56               | 010239301 011126948 5 NON-AI DAUGHTERS | 8                  | 13,062 | 3.4               | 444  |                 |        |               |     |
|                        | LISTEO, 05-64 5 WITH HERD-MATES        | 8                  | 13,062 | 3.4               | 444  | 6               | 13,555 | 455           |     |
| STATES- 34             |  |                    |        |                   |      | OIFF.           | 493-   | 11-           |     |
| 1323406                | .....                                  | 7 NON-AI DAUGHTERS | 8      | 14,099            | 4.1  | 575             |        |               |     |
| STATES- 23             | 7 WITH HERD-MATES                      | 8                  | 14,099 | 4.1               | 575  | 10              | 13,717 | 513           |     |
|                        |  |                    |        |                   |      | OIFF.           | 382    | 62            |     |
| 1323424                | N S R CELESIS OEAN.....                |                    |        |                   |      |                 |        |               |     |
| 12-07-57               | 1237403 2677708 15 NON-AI DAUGHTERS    | 23                 | 13,888 | 3.5               | 488  |                 |        |               |     |
|                        | LISTEO, 11-63 15 WITH HERD-MATES       | 23                 | 13,888 | 3.5               | 488  | 21              | 13,995 | 494           |     |
| STATES- 47             |  |                    |        |                   |      | OIFF.           | 107-   | 6-            |     |
| 1323479                | ST CROIXCO BRILLIANT.....              |                    |        |                   |      |                 |        |               |     |
| 02-14-58               | 1213880 3578617 9 NON-AI DAUGHTERS     | 9                  | 12,712 | 3.4               | 428  |                 |        |               |     |
|                        | LISTEO, 03-64 9 WITH HERD-MATES        | 9                  | 12,712 | 3.4               | 428  | 7               | 11,801 | 376           |     |
| STATES- 46             |  |                    |        |                   |      | OIFF.           | 911    | 52            |     |
| 1323494                | 8ESSLYN ORMSBY F08ES ROVEN.....        |                    |        |                   |      |                 |        |               |     |
| 12-17-57               | 1261422 3018870 13 NON-AI DAUGHTERS    | 16                 | 14,598 | 3.7               | 536  |                 |        |               |     |
|                        | LISTEO, 03-64 13 WITH HERD-MATES       | 16                 | 14,598 | 3.7               | 536  | 14              | 13,597 | 521           |     |
| STATES- 33,35,63       |  |                    |        |                   |      | OIFF.           | 1001   | 15            |     |
| 1323584                | WEISSOLE TRIUMPH TIM.....              |                    |        |                   |      |                 |        |               |     |
| 03-08-58               | 1156726 4081635 5 NON-AI DAUGHTERS     | 5                  | 11,460 | 3.6               | 412  |                 |        |               |     |
|                        | LISTEO, 05-64 5 WITH HERD-MATES        | 5                  | 11,460 | 3.6               | 412  | 32              | 11,189 | 419           |     |
| STATES- 51             |  |                    |        |                   |      | OIFF.           | 271    | 7-            |     |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF OAU. |        |      |     | ADJ. HERO-MATES AV. |        |     | PREOICTED AV. |     |
|--|------------------------|--------|------|-----|---------------------|--------|-----|---------------|-----|
|  | RECORDS                | MILK   | TEST | FAT | AV.                 | MILK   | FAT | MILK          | FAT |
|  | NUMBER                 | LB     | %    | LB  | NUMBER              | LB     | LB  | LB            | LB  |
| 1323598 WALOAC SUSETTE DUKE.....                 |                        |        |      |     |                     |        |     |               |     |
| 03-10-58 989939 3216357 6 NON-AI DAUGHTERS       | 6                      | 15,338 | 3.8  | 581 |                     |        |     |               |     |
| LISTED, 05-64 6 WITH HERD-MATES                  | 6                      | 15,338 | 3.8  | 581 |                     |        |     |               |     |
| STATES- 22                                       |                        |        |      |     | 24                  | 15,292 | 558 |               |     |
|  |                        |        |      |     | OIFF.               | 46     | 23  |               |     |
| 1323627 .....                                    |                        |        |      |     |                     |        |     |               |     |
| STATES- 23                                       | 5                      | 13,504 | 3.9  | 532 |                     |        |     |               |     |
|  | 5                      | 13,504 | 3.9  | 532 | 8                   | 13,452 | 510 |               |     |
|  |                        |        |      |     | OIFF.               | 52     | 22  |               |     |
| 1323654 .....                                    |                        |        |      |     |                     |        |     |               |     |
| STATES- 35,41                                    | 5                      | 13,034 | 3.8  | 501 |                     |        |     |               |     |
|  | 5                      | 13,034 | 3.8  | 501 | 12                  | 12,651 | 484 |               |     |
|  |                        |        |      |     | OIFF.               | 383    | 17  |               |     |
| 1323742 MAROLE MASTER POSCH.....                 |                        |        |      |     |                     |        |     |               |     |
| 11-07-57 967010 4230576 11 NON-AI DAUGHTERS      | 12                     | 11,969 | 3.8  | 449 |                     |        |     |               |     |
| LISTED, 03-64 11 WITH HERD-MATES                 | 12                     | 11,969 | 3.8  | 449 |                     |        |     |               |     |
| STATES- 51                                       |                        |        |      |     | 13                  | 13,122 | 466 |               |     |
|  |                        |        |      |     | OIFF.               | 1153-  | 17- |               |     |
| 1323775 BROAD ROCK PLUS CHIEF.....               |                        |        |      |     |                     |        |     |               |     |
| 05-22-58 870805 2764671 7 NON-AI DAUGHTERS       | 8                      | 14,524 | 4.0  | 577 |                     |        |     |               |     |
| LISTED, 05-64 7 WITH HERD-MATES                  | 8                      | 14,524 | 4.0  | 577 |                     |        |     |               |     |
| STATES- 14                                       |                        |        |      |     | 13                  | 14,187 | 548 |               |     |
|  |                        |        |      |     | OIFF.               | 337    | 29  |               |     |
| 1323795 .....                                    |                        |        |      |     |                     |        |     |               |     |
| STATES- 35                                       | 5                      | 11,212 | 3.8  | 425 |                     |        |     |               |     |
|  | 5                      | 11,212 | 3.8  | 425 | 6                   | 12,633 | 491 |               |     |
|  |                        |        |      |     | OIFF.               | 1421-  | 66- |               |     |
| 1323847 HELBEN PA8ST 8ARON EXCELLENCY.....       |                        |        |      |     |                     |        |     |               |     |
| 01-03-58 1156059 4192635 5 NON-AI DAUGHTERS      | 5                      | 11,670 | 3.5  | 405 |                     |        |     |               |     |
| LISTED, 05-64 5 WITH HERD-MATES                  | 5                      | 11,670 | 3.5  | 405 |                     |        |     |               |     |
| STATES- 23,52                                    |                        |        |      |     | 11                  | 12,282 | 450 |               |     |
|  |                        |        |      |     | OIFF.               | 612-   | 45- |               |     |
| 1323861 KARIOLE ROYAL LEA0ER.....                |                        |        |      |     |                     |        |     |               |     |
| 01-06-58 915940 3850020 7 NON-AI DAUGHTERS       | 8                      | 13,443 | 3.3  | 449 |                     |        |     |               |     |
| LISTED, 05-64 7 WITH HERD-MATES                  | 8                      | 13,443 | 3.3  | 449 |                     |        |     |               |     |
| STATES- 35                                       |                        |        |      |     | 10                  | 12,910 | 466 |               |     |
|  |                        |        |      |     | OIFF.               | 533    | 17- |               |     |
| 1323889 LEONGARD RETA PRINCE.....                |                        |        |      |     |                     |        |     |               |     |
| 06-20-57 1264778 3777435 8 NON-AI DAUGHTERS      | 11                     | 10,816 | 3.6  | 392 |                     |        |     |               |     |
| LISTED, 03-64 8 WITH HERD-MATES                  | 11                     | 10,816 | 3.6  | 392 |                     |        |     |               |     |
| STATES- 87                                       |                        |        |      |     | 9                   | 12,447 | 431 |               |     |
|  |                        |        |      |     | OIFF.               | 1631-  | 39- |               |     |
| 1323923 MALTESE LOCHINVAR.....                   |                        |        |      |     |                     |        |     |               |     |
| 07-10-57 961535 2766331 19 AI DAUGHTERS-13       | 19                     | 12,960 | 3.8  | 490 |                     |        |     |               |     |
| AI STUO, 92-01 LISTED, 05-64 19 WITH HERD-MATES  | 19                     | 12,960 | 3.8  | 490 |                     |        |     |               |     |
| STATES- 92                                       |                        |        |      |     | 44                  | 14,246 | 516 | 11,795        | 443 |
|  |                        |        |      |     | OIFF.               | 1286-  | 26- |               |     |
| 1323980 WEBER B F DICTATOR.....                  |                        |        |      |     |                     |        |     |               |     |
| 11-24-57 1204163 3774697 6 NON-AI DAUGHTERS      | 8                      | 14,339 | 3.5  | 498 |                     |        |     |               |     |
| AI STUO, 42-02 LISTED, 05-64 6 WITH HERD-MATES   | 8                      | 14,339 | 3.5  | 498 |                     |        |     |               |     |
| STATES- 35,55,56,57,93                           |                        |        |      |     | 43                  | 13,947 | 493 |               |     |
|  |                        |        |      |     | OIFF.               | 392    | 5   |               |     |
| 1324002 ROCKY LINK DANOY GEORGE.....             |                        |        |      |     |                     |        |     |               |     |
| 10-19-57 955493 3694949 18 NON-AI DAUGHTERS      | 21                     | 10,708 | 3.4  | 362 |                     |        |     |               |     |
| LISTED, 11-63 18 WITH HERD-MATES                 | 21                     | 10,708 | 3.4  | 362 |                     |        |     |               |     |
| STATES- 45                                       |                        |        |      |     | 9                   | 13,137 | 453 |               |     |
|  |                        |        |      |     | OIFF.               | 2429-  | 91- |               |     |
| 1324035 GOLO PROSPECTOR TEXAL.....               |                        |        |      |     |                     |        |     |               |     |
| 05-17-56 1222258 3167799 5 NON-AI DAUGHTERS      | 7                      | 8,667  | 3.5  | 307 |                     |        |     |               |     |
| LISTED, 05-64 5 WITH HERD-MATES                  | 7                      | 8,667  | 3.5  | 307 |                     |        |     |               |     |
| STATES- 21                                       |                        |        |      |     | 11                  | 10,645 | 393 |               |     |
|  |                        |        |      |     | OIFF.               | 1978-  | 86- |               |     |
| 1324058 .....                                    |                        |        |      |     |                     |        |     |               |     |
| STATES- 42                                       | 8                      | 14,645 | 4.0  | 590 |                     |        |     |               |     |
|  | 8                      | 14,645 | 4.0  | 590 | 19                  | 14,125 | 532 |               |     |
|  |                        |        |      |     | OIFF.               | 520    | 58  |               |     |
| 1324085 .....                                    |                        |        |      |     |                     |        |     |               |     |
| STATES- 43                                       | 9                      | 13,889 | 3.9  | 539 |                     |        |     |               |     |
|  |                        |        |      |     |                     |        |     |               |     |
| 1324099 LEONS HICKORY IDA JEWEL.....             |                        |        |      |     |                     |        |     |               |     |
| 01-15-58 1224123 2949387 11 NON-AI DAUGHTERS     | 15                     | 11,638 | 4.1  | 476 |                     |        |     |               |     |
| LISTED, 08-63 10 WITH HERD-MATES                 | 14                     | 12,008 | 4.1  | 488 |                     |        |     |               |     |
| STATES- 87                                       |                        |        |      |     | 16                  | 13,278 | 508 |               |     |
|  |                        |        |      |     | OIFF.               | 1270-  | 20- |               |     |
| 1324114 .....                                    |                        |        |      |     |                     |        |     |               |     |
| STATES- 23                                       | 6                      | 10,791 | 3.9  | 425 |                     |        |     |               |     |
|  | 6                      | 10,563 | 3.9  | 409 | 10                  | 10,687 | 425 |               |     |
|  |                        |        |      |     | OIFF.               | 124-   | 16- |               |     |
| 1324118 .....                                    |                        |        |      |     |                     |        |     |               |     |
| STATES- 23                                       | 5                      | 18,161 | 3.6  | 661 |                     |        |     |               |     |
|  | 5                      | 18,161 | 3.6  | 661 | 10                  | 15,432 | 552 |               |     |
|  |                        |        |      |     | OIFF.               | 2729   | 109 |               |     |
| 1324120 CLARKSOALE OUNLOGGIN MARATHON.....       |                        |        |      |     |                     |        |     |               |     |
| 08-08-56 1253669 3004775 31 NON-AI DAUGHTERS     | 31                     | 17,319 | 3.4  | 583 |                     |        |     |               |     |
| LISTED, 11-63 31 WITH HERD-MATES                 | 31                     | 17,319 | 3.4  | 583 |                     |        |     |               |     |
| STATES- 31                                       |                        |        |      |     | 9                   | 17,330 | 578 |               |     |
|  |                        |        |      |     | OIFF.               | 11-    | 5   |               |     |
| 1324142 GREEN MEADOW OLYMPIC - TWIN.....         |                        |        |      |     |                     |        |     |               |     |
| 01-04-57 948562 3925891 6 NON-AI DAUGHTERS       | 6                      | 13,227 | 3.4  | 446 |                     |        |     |               |     |
| LISTED, 05-64 6 WITH HERD-MATES                  | 6                      | 13,227 | 3.4  | 446 |                     |        |     |               |     |
| STATES- 34                                       |                        |        |      |     | 378                 | 12,294 | 434 |               |     |
|  |                        |        |      |     | OIFF.               | 933    | 12  |               |     |
| 1324149 SANSSALE SOVEREIGN TRIBUTE -TWIN.....    |                        |        |      |     |                     |        |     |               |     |
| 05-05-57 1097325 2800577 240 AI DAUGHTERS-25*    | 318                    | 12,365 | 3.6  | 449 |                     |        |     |               |     |
| AI STUO, 23-07 LISTED, 03-64 239 WITH HERD-MATES | 317                    | 12,381 | 3.6  | 449 |                     |        |     |               |     |
| STATES- 22,23                                    |                        |        |      |     | 15                  | 13,249 | 495 | 11,720        | 415 |
|  |                        |        |      |     | OIFF.               | 868-   | 46- |               |     |
|  | 1                      | 12,330 | 4.3  | 525 |                     |        |     |               |     |
|  | 1                      | 12,330 | 4.3  | 525 | 11                  | 12,441 | 508 |               |     |
|  |                        |        |      |     | OIFF.               | 111-   | 17  |               |     |



| SIRES OF DATA DAUGHTERS |   |    |                  |    | AV. RECDRDS | PRODUCTION | OF   | DAU. | ADJ.   | HERD-MATES | AV. | PREDICTED AV. |     |
|-------------------------|---|----|------------------|----|-------------|------------|------|------|--------|------------|-----|---------------|-----|
| HOLSTEIN                |   |    |                  |    | NUMBER      | MILK       | TEST | FAT  | AV.    | MILK       | FAT | MILK          | FAT |
|                         |   |    |                  |    |             | LB         | %    | LB   | NUMBER | L8         | L8  | L8            | L8  |
| 1324168                 | DE KDL CARNATION HIGHBOY.....             |    |                  |    |             |            |      |      |        |            |     |               |     |
| 10-29-57                | 1001768 3797087                           | 9  | NON-AI DAUGHTERS | 10 | 15,657      | 3.6        | 567  |      |        |            |     |               |     |
|                         | LISTED, 03-64                             | 9  | WITH HERD-MATES  | 10 | 15,657      | 3.6        | 567  |      |        |            |     |               |     |
| STATES-                 | 33  |    |                  |    |             |            |      |      | 14     | 14,967     | 534 |               |     |
|                         |   |    |                  |    |             |            |      |      | DIFF.  | 690        | 33  |               |     |
| 1324254                 | .....                                     |    |                  |    |             |            |      |      |        |            |     |               |     |
|                         |   | 9  | NON-AI DAUGHTERS | 10 | 13,568      | 3.8        | 511  |      |        |            |     |               |     |
| STATES-                 | 48  | 9  | WITH HERD-MATES  | 10 | 13,568      | 3.8        | 511  |      | 4      | 13,183     | 476 |               |     |
|                         |   |    |                  |    |             |            |      |      | DIFF.  | 385        | 35  |               |     |
| 1324328                 | THONYMA ORMSBY CAREY HEERSCHE - TWIN..... |    |                  |    |             |            |      |      |        |            |     |               |     |
| 11-21-57                | 1106455 3439974                           | 17 | NON-AI DAUGHTERS | 23 | 14,420      | 4.0        | 572  |      |        |            |     |               |     |
| AI STUD, 48-01          | LISTED, 05-64                             | 17 | WITH HERD-MATES  | 22 | 14,396      | 4.0        | 570  |      | 10     | 14,313     | 524 |               |     |
| STATES-                 | 48  |    |                  |    |             |            |      |      | DIFF.  | 83         | 46  |               |     |
| 1324354                 | ARWYN SKY KING.....                       |    |                  |    |             |            |      |      |        |            |     |               |     |
| 12-10-57                | 1244845 3959680                           | 33 | AI DAUGHTERS-25* | 33 | 13,196      | 3.7        | 490  |      |        |            |     |               |     |
| AI STUD, 33-03          | LISTED, 05-64                             | 33 | WITH HERD-MATES  | 33 | 13,196      | 3.7        | 490  |      | 10     | 12,805     | 470 | 12,781        | 470 |
| STATES-                 | 13,21,23,33,34,35,41,                     |    |                  |    |             |            |      |      | DIFF.  | 391        | 20  |               |     |
| 42,48,51,52,55,61,87    |   | 31 | NDN-AI DAUGHTERS | 32 | 13,837      | 3.8        | 520  |      |        |            |     |               |     |
|                         |   | 30 | WITH HERD-MATES  | 31 | 13,921      | 3.8        | 523  |      | 15     | 13,975     | 508 |               |     |
|                         |   |    |                  |    |             |            |      |      | DIFF.  | 54-        | 15  |               |     |
| 1324360                 | RAG APPLE KING DF LUFKIN FARMS.....       |    |                  |    |             |            |      |      |        |            |     |               |     |
| 06-10-56                | 010245558 4436803                         | 10 | NON-AI DAUGHTERS | 14 | 15,450      | 3.2        | 500  |      |        |            |     |               |     |
|                         | LISTED, 01-63                             | 10 | WITH HERD-MATES  | 14 | 15,450      | 3.2        | 500  |      | 17     | 13,982     | 509 |               |     |
| STATES-                 | 11,15                                     |    |                  |    |             |            |      |      | DIFF.  | 1468       | 9-  |               |     |
| 1324381                 | GREEN VALE KING PENTUATER.....            |    |                  |    |             |            |      |      |        |            |     |               |     |
| 02-16-57                | 1225766 3230197                           | 12 | NDN-AI DAUGHTERS | 16 | 14,536      | 3.3        | 478  |      |        |            |     |               |     |
|                         | LISTED, 03-64                             | 12 | WITH HERD-MATES  | 16 | 14,536      | 3.3        | 478  |      | 29     | 13,871     | 500 |               |     |
| STATES-                 | 34  |    |                  |    |             |            |      |      | DIFF.  | 665        | 22- |               |     |
| 1324464                 | BURKE RDAMER REWARD.....                  |    |                  |    |             |            |      |      |        |            |     |               |     |
| 10-26-57                | 1223920 4473809                           | 10 | NDN-AI DAUGHTERS | 14 | 14,536      | 3.5        | 504  |      |        |            |     |               |     |
|                         | LISTED, 08-63                             | 10 | WITH HERD-MATES  | 14 | 14,536      | 3.5        | 504  |      | 8      | 13,140     | 472 |               |     |
| STATES-                 | 31,56                                     |    |                  |    |             |            |      |      | DIFF.  | 1375       | 32  |               |     |
| 1324477                 | WOODROCK CRESTON VAR.....                 |    |                  |    |             |            |      |      |        |            |     |               |     |
| 09-12-55                | 967010 3429452                            | 12 | NON-AI DAUGHTERS | 20 | 7,390       | 3.5        | 262  |      |        |            |     |               |     |
|                         | LISTED, 01-63                             | 12 | WITH HERD-MATES  | 20 | 7,390       | 3.5        | 262  |      | 10     | 8,926      | 331 |               |     |
| STATES-                 | 51  |    |                  |    |             |            |      |      | DIFF.  | 1536-      | 69- |               |     |
| 1324492                 | BURKE LEADER LAD.....                     |    |                  |    |             |            |      |      |        |            |     |               |     |
| 11-24-57                | 915940 3228715                            | 9  | NON-AI DAUGHTERS | 10 | 12,985      | 3.4        | 446  |      |        |            |     |               |     |
|                         | LISTED, 11-63                             | 9  | WITH HERD-MATES  | 10 | 12,985      | 3.4        | 446  |      | 6      | 11,532     | 430 |               |     |
| STATES-                 | 42  |    |                  |    |             |            |      |      | DIFF.  | 1453       | 16  |               |     |
| 1324530                 | .....                                     |    |                  |    |             |            |      |      |        |            |     |               |     |
|                         |   | 12 | NON-AI DAUGHTERS | 12 | 10,697      | 3.3        | 358  |      |        |            |     |               |     |
| STATES-                 | 21  | 12 | WITH HERD-MATES  | 12 | 10,697      | 3.3        | 358  |      | 36     | 11,043     | 389 |               |     |
|                         |   |    |                  |    |             |            |      |      | DIFF.  | 346-       | 31- |               |     |
| 1324535                 | RAG APPLE PILOT.....                      |    |                  |    |             |            |      |      |        |            |     |               |     |
| 05-18-58                | 1094305 3036592                           | 10 | NON-AI DAUGHTERS | 14 | 12,565      | 3.7        | 461  |      |        |            |     |               |     |
|                         | LISTED, 11-63                             | 10 | WITH HERD-MATES  | 14 | 12,565      | 3.7        | 461  |      | 39     | 13,682     | 503 |               |     |
| STATES-                 | 14  |    |                  |    |             |            |      |      | DIFF.  | 1117-      | 42- |               |     |
| 1324562                 | .....                                     |    |                  |    |             |            |      |      |        |            |     |               |     |
|                         |   | 5  | NON-AI DAUGHTERS | 5  | 10,502      | 3.7        | 392  |      |        |            |     |               |     |
| STATES-                 | 23  | 5  | WITH HERD-MATES  | 5  | 10,502      | 3.7        | 392  |      | 5      | 12,282     | 444 |               |     |
|                         |   |    |                  |    |             |            |      |      | DIFF.  | 1780-      | 52- |               |     |
| 1324690                 | CHURCHOLM GEORGE COLLINS-CREST.....       |    |                  |    |             |            |      |      |        |            |     |               |     |
| 11-01-57                | 1208003 3945447                           | 20 | NDN-AI DAUGHTERS | 23 | 12,006      | 3.6        | 432  |      |        |            |     |               |     |
|                         | LISTED, 11-63                             | 20 | WITH HERD-MATES  | 23 | 12,006      | 3.6        | 432  |      | 12     | 13,945     | 510 |               |     |
| STATES-                 | 21  |    |                  |    |             |            |      |      | DIFF.  | 1939-      | 78- |               |     |
| 1324704                 | MALLARY DUNCAN.....                       |    |                  |    |             |            |      |      |        |            |     |               |     |
| 02-25-58                | 1237747 3378190                           | 11 | NON-AI DAUGHTERS | 13 | 14,480      | 3.5        | 506  |      |        |            |     |               |     |
|                         | LISTED, 03-64                             | 11 | WITH HERD-MATES  | 13 | 14,480      | 3.5        | 506  |      | 23     | 13,457     | 486 |               |     |
| STATES-                 | 12,13,21                                  |    |                  |    |             |            |      |      | DIFF.  | 1023       | 20  |               |     |
| 1324708                 | .....                                     |    |                  |    |             |            |      |      |        |            |     |               |     |
|                         |   | 7  | NDN-AI DAUGHTERS | 7  | 17,341      | 3.7        | 637  |      |        |            |     |               |     |
| STATES-                 | 22  | 6  | WITH HERD-MATES  | 6  | 17,217      | 3.7        | 640  |      | 7      | 16,868     | 647 |               |     |
|                         |   |    |                  |    |             |            |      |      | DIFF.  | 349        | 7-  |               |     |
| 1324750                 | 8DND HAVEN CENTURION DEAN.....            |    |                  |    |             |            |      |      |        |            |     |               |     |
| 11-16-57                | 010239301 010752410                       | 8  | NON-AI DAUGHTERS | 8  | 11,669      | 3.6        | 419  |      |        |            |     |               |     |
|                         | LISTED, 03-64                             | 8  | WITH HERD-MATES  | 8  | 11,669      | 3.6        | 419  |      | 20     | 13,727     | 499 |               |     |
| STATES-                 | 21  |    |                  |    |             |            |      |      | DIFF.  | 2058-      | 80- |               |     |
| 1324754                 | .....                                     |    |                  |    |             |            |      |      |        |            |     |               |     |
|                         |   | 6  | NON-AI DAUGHTERS | 6  | 9,703       | 3.8        | 367  |      |        |            |     |               |     |
| STATES-                 | 51  | 6  | WITH HERD-MATES  | 6  | 9,703       | 3.8        | 367  |      | 11     | 11,183     | 414 |               |     |
|                         |   |    |                  |    |             |            |      |      | DIFF.  | 1480-      | 47- |               |     |
| 1324821                 | .....                                     |    |                  |    |             |            |      |      |        |            |     |               |     |
|                         |   | 5  | NON-AI DAUGHTERS | 5  | 10,194      | 4.1        | 422  |      |        |            |     |               |     |
| STATES-                 | 33  | 5  | WITH HERD-MATES  | 5  | 10,194      | 4.1        | 422  |      | 33     | 9,848      | 382 |               |     |
|                         |   |    |                  |    |             |            |      |      | DIFF.  | 346        | 40  |               |     |
| 1324823                 | .....                                     |    |                  |    |             |            |      |      |        |            |     |               |     |
|                         |   | 5  | NON-AI DAUGHTERS | 6  | 12,380      | 3.7        | 462  |      |        |            |     |               |     |
| STATES-                 | 21  | 5  | WITH HERD-MATES  | 6  | 12,380      | 3.7        | 462  |      | 23     | 14,067     | 515 |               |     |
|                         |   |    |                  |    |             |            |      |      | DIFF.  | 1687-      | 53- |               |     |
| 1324836                 | BLAIRJAC WOODMASTER T MODEL.....          |    |                  |    |             |            |      |      |        |            |     |               |     |
| 07-24-57                | 1261063 2773157                           | 11 | NON-AI DAUGHTERS | 11 | 16,837      | 3.5        | 596  |      |        |            |     |               |     |
|                         | LISTED, 03-64                             | 11 | WITH HERD-MATES  | 11 | 16,837      | 3.5        | 596  |      | 21     | 15,478     | 545 |               |     |
| STATES-                 | 73  |    |                  |    |             |            |      |      | DIFF.  | 1359       | 51  |               |     |

## SIREs OF OHIA DAUGHTERS

| HOLSTEIN       |                                   |    |                  |     | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | AOJ. AV. NUMBER | HERO-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|----------------|-----------------------------------|----|------------------|-----|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1324861        | GREEN MEADOW CHIEF.....           |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 07-21-57       | 1237670 3453716                   | 9  | NON-AI DAUGHTERS | 14  | 11,146      | 3.7                   | 409    |             |                 |                    |            |                   |            |
|                | LISTED, 08-63                     | 9  | WITH HERD-MATES  | 14  | 11,146      | 3.7                   | 409    |             | 15              | 11,542             | 427        |                   |            |
| STATES-        | 32                                |    |                  |     |             |                       |        |             | DIFF.           | 396-               | 18-        |                   |            |
| 1324867        | .....                             |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
|                |                                   | 9  | NON-AI DAUGHTERS | 9   | 9,353       | 3.4                   | 316    |             |                 |                    |            |                   |            |
| STATES-        | 23                                | 9  | WITH HERD-MATES  | 9   | 9,353       | 3.4                   | 316    |             | 12              | 12,191             | 451        |                   |            |
|                |                                   |    |                  |     |             |                       |        |             | OIFF.           | 2838-              | 135-       |                   |            |
| 1324916        | ARLINDA A 8 C CEORIC.....         |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 05-02-58       | 1276654 3825618                   | 23 | NON-AI DAUGHTERS | 26  | 13,449      | 3.8                   | 510    |             |                 |                    |            |                   |            |
|                | LISTED, 03-64                     | 23 | WITH HERD-MATES  | 26  | 13,449      | 3.8                   | 510    |             | 45              | 12,234             | 421        |                   |            |
| STATES-        | 86                                |    |                  |     |             |                       |        |             | OIFF.           | 1215               | 89         |                   |            |
| 1324929        | .....                             |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
|                |                                   | 5  | NON-AI DAUGHTERS | 5   | 14,048      | 3.2                   | 448    |             |                 |                    |            |                   |            |
| STATES-        | 31                                | 5  | WITH HERD-MATES  | 5   | 14,048      | 3.2                   | 448    |             | 28              | 13,002             | 422        |                   |            |
|                |                                   |    |                  |     |             |                       |        |             | OIFF.           | 1046               | 26         |                   |            |
| 1324957        | WALKWAY HONEYMAN JASON.....       |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 10-17-57       | 1265694 3222743                   | 19 | NON-AI DAUGHTERS | 22  | 13,307      | 4.1                   | 542    |             |                 |                    |            |                   |            |
|                | LISTED, 03-64                     | 19 | WITH HERD-MATES  | 22  | 13,307      | 4.1                   | 542    |             | 7               | 12,668             | 500        |                   |            |
| STATES-        | 33                                |    |                  |     |             |                       |        |             | OIFF.           | 639                | 42         |                   |            |
| 1324959        | WALKWAY HONEYMAN RUSTY.....       |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 02-02-58       | 1265694 3345727                   | 41 | AI DAUGHTERS-25* | 43  | 13,176      | 3.6                   | 471    |             |                 |                    |            |                   |            |
| AI STUO, 33-03 | LISTED, 05-64                     | 41 | WITH HERD-MATES  | 43  | 13,176      | 3.6                   | 471    |             | 14              | 12,986             | 477        | 12,657            | 452        |
| STATES-        | 16,21,23,31,32,33,34,             |    |                  |     |             |                       |        |             | OIFF.           | 190                | 6-         |                   |            |
|                | 35,41,46,50,51,71,74              | 3  | NON-AI DAUGHTERS | 3   | 12,753      | 3.8                   | 487    |             | 5               | 13,564             | 501        |                   |            |
|                |                                   | 3  | WITH HERD-MATES  | 3   | 12,753      | 3.8                   | 487    |             | OIFF.           | 811-               | 14-        |                   |            |
| 1325017        | HILLTOP MAESTRO DICTATOR.....     |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 03-17-58       | 1263007 3271170                   | 20 | NON-AI DAUGHTERS | 20  | 17,967      | 3.6                   | 648    |             |                 |                    |            |                   |            |
|                | LISTED, 05-64                     | 20 | WITH HERD-MATES  | 20  | 17,967      | 3.6                   | 648    |             | 43              | 15,301             | 584        |                   |            |
| STATES-        | 16,23                             |    |                  |     |             |                       |        |             | OIFF.           | 2666               | 64         |                   |            |
| 1325044        | PARMITH PEMESA PABST CYCLONE..... |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 06-11-57       | 1215958 3268261                   | 11 | NON-AI DAUGHTERS | 13  | 13,700      | 3.6                   | 490    |             |                 |                    |            |                   |            |
|                | LISTED, 08-63                     | 10 | WITH HERD-MATES  | 11  | 14,417      | 3.6                   | 522    |             | 10              | 13,657             | 484        |                   |            |
| STATES-        | 32                                |    |                  |     |             |                       |        |             | OIFF.           | 760                | 38         |                   |            |
| 1325124        | FORT MADISON BURKE PRIOR.....     |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 09-15-57       | 1242194 3205108                   | 14 | NON-AI DAUGHTERS | 21  | 8,977       | 3.9                   | 354    |             |                 |                    |            |                   |            |
|                | LISTED, 01-63                     | 11 | WITH HERD-MATES  | 14  | 8,503       | 3.9                   | 330    |             | 24              | 10,054             | 378        |                   |            |
| STATES-        | 42                                |    |                  |     |             |                       |        |             | OIFF.           | 1551-              | 48-        |                   |            |
| 1325139        | LAR-WINN BESSLYN TROY TY VIC..... |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 02-21-58       | 923749 3703182                    | 20 | AI DAUGHTERS-16  | 22  | 12,287      | 3.7                   | 451    |             |                 |                    |            |                   |            |
| AI STUO, 41-01 | LISTED, 03-64                     | 20 | WITH HERD-MATES  | 22  | 12,287      | 3.7                   | 451    |             | 29              | 12,530             | 443        | 12,324            | 459        |
| STATES-        | 41,42,45                          |    |                  |     |             |                       |        |             | OIFF.           | 243-               | 8          |                   |            |
| 1325341        | KAYTEE IDEAL.....                 |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 01-02-58       | 1089423 2788653                   | 12 | NON-AI DAUGHTERS | 17  | 14,892      | 3.8                   | 572    |             |                 |                    |            |                   |            |
|                | LISTED, 11-63                     | 12 | WITH HERD-MATES  | 17  | 14,892      | 3.8                   | 572    |             | 8               | 14,657             | 564        |                   |            |
| STATES-        | 42                                |    |                  |     |             |                       |        |             | OIFF.           | 235                | 8          |                   |            |
| 1325348        | .....                             |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
|                |                                   | 9  | NON-AI DAUGHTERS | 9   | 11,486      | 3.8                   | 437    |             |                 |                    |            |                   |            |
| STATES-        | 35                                | 9  | WITH HERD-MATES  | 9   | 11,486      | 3.8                   | 437    |             | 20              | 13,482             | 478        |                   |            |
|                |                                   |    |                  |     |             |                       |        |             | OIFF.           | 1996-              | 41-        |                   |            |
| 1325354        | KANAWAKA POSCH SUPER REX.....     |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 10-06-57       | 1140737 3508582                   | 15 | NON-AI DAUGHTERS | 17  | 13,526      | 3.6                   | 486    |             |                 |                    |            |                   |            |
|                | LISTED, 03-64                     | 15 | WITH HERD-MATES  | 17  | 13,526      | 3.6                   | 486    |             | 14              | 11,991             | 432        |                   |            |
| STATES-        | 48                                |    |                  |     |             |                       |        |             | OIFF.           | 1535               | 54         |                   |            |
| 1325384        | SKOKIE PIETERTJE BOY - TWIN.....  |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 01-07-58       | 1282185 3087462                   | 11 | NON-AI DAUGHTERS | 12  | 12,959      | 3.7                   | 485    |             |                 |                    |            |                   |            |
|                | LISTED, 03-64                     | 11 | WITH HERD-MATES  | 12  | 12,959      | 3.7                   | 485    |             | 14              | 12,251             | 423        |                   |            |
| STATES-        | 42,46                             |    |                  |     |             |                       |        |             | OIFF.           | 708                | 62         |                   |            |
| 1325408        | .....                             |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
|                |                                   | 6  | NON-AI DAUGHTERS | 6   | 13,890      | 3.7                   | 519    |             |                 |                    |            |                   |            |
| STATES-        | 22                                | 6  | WITH HERD-MATES  | 6   | 13,890      | 3.7                   | 519    |             | 9               | 12,085             | 474        |                   |            |
|                |                                   |    |                  |     |             |                       |        |             | OIFF.           | 1805               | 45         |                   |            |
| 1325409        | WESTFALL STYLIST ILLUSTRIOUS..... |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 01-24-58       | 1221754 4021638                   | 14 | AI DAUGHTERS-10  | 14  | 11,520      | 3.9                   | 450    |             |                 |                    |            |                   |            |
| AI STUO, 22-01 | LISTED, 03-64                     | 14 | WITH HERD-MATES  | 14  | 11,520      | 3.9                   | 450    |             | 20              | 12,848             | 475        | 11,787            | 443        |
| STATES-        | 22                                |    |                  |     |             |                       |        |             | OIFF.           | 1328-              | 25-        |                   |            |
| 1325427        | GENESEE ROYAL BELLBOY.....        |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 05-16-58       | 905683 3064456                    | 98 | AI DAUGHTERS-25* | 112 | 13,041      | 3.7                   | 482    |             |                 |                    |            |                   |            |
| AI STUO, 21-01 | LISTED, 05-64                     | 98 | WITH HERD-MATES  | 112 | 13,041      | 3.7                   | 482    |             | 24              | 13,895             | 504        | 11,837            | 440        |
| STATES-        | 13,21,23                          |    |                  |     |             |                       |        |             | OIFF.           | 854-               | 22-        |                   |            |
|                |                                   | 2  | NON-AI DAUGHTERS | 4   | 15,363      | 3.3                   | 505    |             | 17              | 13,483             | 499        |                   |            |
|                |                                   | 2  | WITH HERD-MATES  | 4   | 15,363      | 3.3                   | 505    |             | OIFF.           | 1880               | 6          |                   |            |
| 1325459        | .....                             |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
|                |                                   | 14 | NON-AI DAUGHTERS | 16  | 14,494      | 3.5                   | 508    |             |                 |                    |            |                   |            |
| STATES-        | 31                                | 14 | WITH HERD-MATES  | 16  | 14,494      | 3.5                   | 508    |             | 7               | 15,026             | 533        |                   |            |
|                |                                   |    |                  |     |             |                       |        |             | OIFF.           | 532-               | 25-        |                   |            |
| 1325469        | BALLAHERO KUBY ADMIRAL KING.....  |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 01-05-58       | 910991 3387183                    | 14 | NON-AI DAUGHTERS | 15  | 13,415      | 3.7                   | 490    |             |                 |                    |            |                   |            |
|                | LISTED, 03-64                     | 14 | WITH HERD-MATES  | 15  | 13,415      | 3.7                   | 490    |             | 12              | 13,245             | 486        |                   |            |
| STATES-        | 35                                |    |                  |     |             |                       |        |             | OIFF.           | 170                | 4          |                   |            |
| 1325478        | MOOSEHEART MODEL RUBEN.....       |    |                  |     |             |                       |        |             |                 |                    |            |                   |            |
| 11-18-57       | 1232129 3040861                   | 14 | NON-AI DAUGHTERS | 15  | 13,675      | 3.5                   | 475    |             |                 |                    |            |                   |            |
|                | LISTED, 03-64                     | 14 | WITH HERD-MATES  | 15  | 13,675      | 3.5                   | 475    |             | 31              | 13,125             | 452        |                   |            |
| STATES-        | 23,35                             |    |                  |     |             |                       |        |             | OIFF.           | 550                | 23         |                   |            |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN   | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED AV. MILK L8 | FAT L8 |
|--|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 1325546 .....                                    |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 31                                       | 6           | NON-AI DAUGHTERS      | 8      | 16,998      | 3.7             | 630                |            |                       |        |
|  | 6           | WITH HERD-MATES       | 8      | 16,998      | 3.7             | 630                | 10         | 15,233                | 563    |
|  |             |                       |        |             |                 |                    | OIFF.      | 1765                  | 67     |
| 1325608 MAYERS DUKE BLACK PRINCE.....            |             |                       |        |             |                 |                    |            |                       |        |
| 02-13-58 1293580 3803511                         | 9           | NON-AI DAUGHTERS      | 10     | 12,143      | 3.5             | 419                |            |                       |        |
| STATES- 35                                       | 9           | WITH HERD-MATES       | 10     | 12,143      | 3.5             | 419                | 13         | 13,049                | 453    |
|  |             |                       |        |             |                 |                    | OIFF.      | 906-                  | 34-    |
| 1325743 HOKELAND PARTHENEAL REGAL.....           |             |                       |        |             |                 |                    |            |                       |        |
| 03-26-57 1209327 3288196                         | 10          | NON-AI DAUGHTERS      | 13     | 13,528      | 3.5             | 476                |            |                       |        |
| STATES- 32                                       | 10          | WITH HERD-MATES       | 13     | 13,528      | 3.5             | 476                | 60         | 13,478                | 490    |
|  |             |                       |        |             |                 |                    | OIFF.      | 50                    | 14-    |
| 1325874 .....                                    |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 35                                       | 5           | NON-AI DAUGHTERS      | 5      | 12,920      | 3.9             | 502                |            |                       |        |
|  | 5           | WITH HERD-MATES       | 5      | 12,920      | 3.9             | 502                | 13         | 12,280                | 470    |
|  |             |                       |        |             |                 |                    | OIFF.      | 640                   | 32     |
| 1325887 .....                                    |             |                       |        |             |                 |                    |            |                       |        |
| AI STUO, 91-01                                   | 18          | AI DAUGHTERS-15       | 19     | 13,098      | 3.8             | 495                |            |                       |        |
| STATES- 81,91                                    | 15          | WITH HERD-MATES       | 16     | 13,282      | 3.8             | 503                | 7          | 13,293                | 492    |
|  |             |                       |        |             |                 |                    | OIFF.      | 11-                   | 11     |
|  | 1           | NON-AI DAUGHTERS      | 2      | 13,215      | 3.2             | 424                |            |                       |        |
|  | 1           | WITH HERD-MATES       | 2      | 13,215      | 3.2             | 424                | 10         | 15,808                | 519    |
|  |             |                       |        |             |                 |                    | OIFF.      | 2593-                 | 95-    |
| 1325889 LAVACRES OUSTY HOMESTEAD.....            |             |                       |        |             |                 |                    |            |                       |        |
| 05-21-58 1205185 3208921                         | 21          | AI DAUGHTERS-16       | 24     | 14,319      | 3.8             | 547                |            |                       |        |
| AI STUO, 92-01 LISTEO, 03-64                     | 21          | WITH HERD-MATES       | 24     | 14,319      | 3.8             | 547                | 29         | 13,715                | 499    |
| STATES- 92                                       |             |                       |        |             |                 |                    | OIFF.      | 604                   | 48     |
| 1325917 LIME ROCK REPEATER KING.....             |             |                       |        |             |                 |                    |            |                       |        |
| 01-01-58 1255697 4332382                         | 8           | NON-AI DAUGHTERS      | 11     | 13,542      | 3.6             | 490                |            |                       |        |
| STATES- 23                                       | 8           | WITH HERD-MATES       | 9      | 14,302      | 3.6             | 512                | 14         | 14,964                | 569    |
|  |             |                       |        |             |                 |                    | OIFF.      | 662-                  | 57-    |
| 1326022 .....                                    |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 31,64                                    | 6           | NON-AI DAUGHTERS      | 6      | 14,008      | 3.5             | 490                |            |                       |        |
|  | 6           | WITH HERD-MATES       | 6      | 14,008      | 3.5             | 490                | 9          | 13,091                | 489    |
|  |             |                       |        |             |                 |                    | OIFF.      | 917                   | 1      |
| 1326032 .....                                    |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 23                                       | 6           | NON-AI DAUGHTERS      | 7      | 12,846      | 3.7             | 477                |            |                       |        |
|  | 6           | WITH HERD-MATES       | 7      | 12,846      | 3.7             | 477                | 14         | 13,982                | 526    |
|  |             |                       |        |             |                 |                    | OIFF.      | 1136-                 | 49-    |
| 1326080 GRAHANS MAOCAP BUSTER 80Y.....           |             |                       |        |             |                 |                    |            |                       |        |
| 06-22-57 1224301 3722606                         | 9           | NON-AI DAUGHTERS      | 16     | 10,148      | 3.5             | 351                |            |                       |        |
| STATES- 31                                       | 9           | WITH HERD-MATES       | 16     | 10,148      | 3.5             | 351                | 6          | 11,634                | 400    |
|  |             |                       |        |             |                 |                    | OIFF.      | 1486-                 | 49-    |
| 1326084 KNOLLWIDE C HOMESTEAD A JULE - TWIN..... |             |                       |        |             |                 |                    |            |                       |        |
| 10-23-57 1260265 3780459                         | 15          | NON-AI DAUGHTERS      | 22     | 13,671      | 3.6             | 495                |            |                       |        |
| STATES- 41                                       | 15          | WITH HERD-MATES       | 22     | 13,671      | 3.6             | 495                | 14         | 13,711                | 494    |
|  |             |                       |        |             |                 |                    | OIFF.      | 40-                   | 1      |
| 1326112 OUX BLUE BELL SAM PERFECTION.....        |             |                       |        |             |                 |                    |            |                       |        |
| 12-17-57 1221268 2674419                         | 29          | NON-AI DAUGHTERS      | 36     | 12,903      | 3.5             | 454                |            |                       |        |
| STATES- 32,61                                    | 20          | WITH HERD-MATES       | 23     | 12,539      | 3.5             | 440                | 19         | 12,403                | 440    |
|  |             |                       |        |             |                 |                    | OIFF.      | 136                   |        |
| 1326162 .....                                    |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 31                                       | 22          | NON-AI DAUGHTERS      | 22     | 16,989      | 3.7             | 624                |            |                       |        |
|  | 22          | WITH HERD-MATES       | 22     | 16,989      | 3.7             | 624                | 53         | 16,987                | 629    |
|  |             |                       |        |             |                 |                    | OIFF.      | 2                     | 5-     |
| 1326163 IMPERIAL SUNLEA BLUMINE TY-VIC.....      |             |                       |        |             |                 |                    |            |                       |        |
| 07-05-58 923749 3813484                          | 57          | AI DAUGHTERS-25*      | 57     | 13,864      | 3.8             | 525                |            |                       |        |
| AI STUO, 21-01 LISTEO, 05-64                     | 56          | WITH HERD-MATES       | 56     | 13,912      | 3.8             | 527                | 23         | 14,088                | 517    |
| STATES- 13,21                                    |             |                       |        |             |                 |                    | OIFF.      | 176-                  | 10     |
| 1326177 BAUGO VALLEY JURYMAN AOMIRAL.....        |             |                       |        |             |                 |                    |            |                       |        |
| 12-24-57 1224102 2727153                         | 10          | NON-AI DAUGHTERS      | 12     | 11,550      | 3.7             | 431                |            |                       |        |
| STATES- 32,34                                    | 10          | WITH HERD-MATES       | 12     | 11,550      | 3.7             | 431                | 12         | 13,038                | 469    |
|  |             |                       |        |             |                 |                    | OIFF.      | 1488-                 | 38-    |
| 1326294 .....                                    |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 21                                       | 5           | NON-AI DAUGHTERS      | 5      | 11,844      | 4.2             | 499                |            |                       |        |
|  | 5           | WITH HERD-MATES       | 5      | 11,844      | 4.2             | 499                | 35         | 13,412                | 541    |
|  |             |                       |        |             |                 |                    | OIFF.      | 1568-                 | 42-    |
| 1326410 .....                                    |             |                       |        |             |                 |                    |            |                       |        |
| STATES- 23                                       | 8           | NON-AI DAUGHTERS      | 8      | 10,168      | 3.5             | 355                |            |                       |        |
|  | 8           | WITH HERD-MATES       | 8      | 10,168      | 3.5             | 355                | 6          | 10,425                | 372    |
|  |             |                       |        |             |                 |                    | OIFF.      | 257-                  | 17-    |
| 1326491 CARNATION IDEAL OLYMPIAN.....            |             |                       |        |             |                 |                    |            |                       |        |
| 05-21-58 1175596 3994130                         | 12          | NON-AI DAUGHTERS      | 12     | 13,467      | 3.7             | 499                |            |                       |        |
| STATES- 42                                       | 11          | WITH HERD-MATES       | 11     | 13,506      | 3.7             | 506                | 7          | 13,876                | 503    |
|  |             |                       |        |             |                 |                    | OIFF.      | 370-                  | 3      |
| 1326492 CARNATION IDEAL LAO.....                 |             |                       |        |             |                 |                    |            |                       |        |
| 06-16-58 1175596 2638045                         | 14          | AI DAUGHTERS-11       | 15     | 12,745      | 3.7             | 468                |            |                       |        |
| AI STUO, 35-03 LISTEO, 05-64                     | 14          | WITH HERD-MATES       | 15     | 12,745      | 3.7             | 468                | 19         | 12,908                | 461    |
| STATES- 35,61                                    |             |                       |        |             |                 |                    | OIFF.      | 163-                  | 7      |
| 1326495 CARNATION IDEAL TROUPER.....             |             |                       |        |             |                 |                    |            |                       |        |
| 06-24-58 1175596 3803415                         | 21          | NON-AI DAUGHTERS      | 26     | 13,737      | 3.7             | 510                |            |                       |        |
| STATES- 87                                       | 20          | WITH HERD-MATES       | 24     | 13,943      | 3.7             | 513                | 15         | 14,168                | 511    |
|  |             |                       |        |             |                 |                    | OIFF.      | 225-                  | 2      |



## SIREs OF OHIA DAUGHTERS

| HOLSTEIN   |                      |     | AV. PRODUCTION OF | DAU. | ADJ. HERO-MATES | AV.   | PREOICTED | AV.  |
|--|----------------------|-----|-------------------|------|-----------------|-------|-----------|------|
|  |                      |     | RECORDS           | FAT  | AV.             | FAT   | MILK      | FAT  |
|  |                      |     | NUMBER            | L8   | NUM8ER          | L8    | L8        | L8   |
| 1326497 .....                                      | 6 NON-AI DAUGHTERS   | 8   | 13,162            | 3.5  | 465             |       |           |      |
| STATES- 35   | 6 WITH HERD-MATES    | 8   | 13,162            | 3.5  | 465             | 6     | 14,675    | 491  |
|  |                      |     |                   |      |                 | OIFF. | 1513-     | 26-  |
| 1326524 GLENAFTON MACBETH.....                     |                      |     |                   |      |                 |       |           |      |
| 04-17-57 010249530 011100045                       | 15 AI DAUGHTERS-12   | 15  | 12,849            | 3.9  | 499             |       |           |      |
| AI STUO, 22-03 LISTEO, 03-64                       | 15 WITH HERD-MATES   | 15  | 12,849            | 3.9  | 499             | 28    | 13,852    | 518  |
| STATES- 21,22,23                                   |                      |     |                   |      |                 | OIFF. | 1003-     | 19-  |
|  | 5 NON-AI DAUGHTERS   | 9   | 13,063            | 4.1  | 537             |       |           |      |
|  | 5 WITH HERD-MATES    | 9   | 13,063            | 4.1  | 537             | 15    | 14,088    | 521  |
|  |                      |     |                   |      |                 | OIFF. | 1025-     | 16   |
| 1326595 CARNATION IOEAL TOWER.....                 |                      |     |                   |      |                 |       |           |      |
| 06-24-58 1175596 3803415                           | 12 NON-AI DAUGHTERS  | 16  | 15,282            | 3.8  | 587             |       |           |      |
| LISTEO, 03-64                                      | 12 WITH HERD-MATES   | 16  | 15,282            | 3.8  | 587             | 13    | 12,354    | 465  |
| STATES- 45   |                      |     |                   |      |                 | OIFF. | 2928      | 122  |
| 1326597 PRINCE RIV-A-VUE REFLECTION.....           |                      |     |                   |      |                 |       |           |      |
| 02-25-57 010248762 011094466                       | 15 NON-AI DAUGHTERS  | 16  | 14,581            | 3.4  | 494             |       |           |      |
| LISTEO, 03-64                                      | 15 WITH HERD-MATES   | 16  | 14,581            | 3.4  | 494             | 20    | 14,287    | 489  |
| STATES- 21   |                      |     |                   |      |                 | OIFF. | 294       | 5    |
| 1326615 .....                                      |                      |     |                   |      |                 |       |           |      |
|  | 5 NON-AI DAUGHTERS   | 5   | 11,970            | 3.5  | 415             |       |           |      |
| STATES- 52,55                                      | 5 WITH HERD-MATES    | 5   | 11,970            | 3.5  | 415             | 22    | 12,225    | 421  |
|  |                      |     |                   |      |                 | OIFF. | 255-      | 6-   |
| 1326679 BURKE 8 F TRIUNE PRINCE.....               |                      |     |                   |      |                 |       |           |      |
| 04-22-58 1050848 3789940                           | 6 NON-AI DAUGHTERS   | 8   | 15,962            | 3.6  | 573             |       |           |      |
| AI STUO, 35-05 LISTEO, 05-64                       | 6 WITH HERD-MATES    | 8   | 15,962            | 3.6  | 573             | 27    | 16,164    | 574  |
| STATES- 35   |                      |     |                   |      |                 | OIFF. | 202-      | 1-   |
| 1326735 .....                                      |                      |     |                   |      |                 |       |           |      |
|  | 5 NON-AI DAUGHTERS   | 6   | 11,596            | 3.9  | 456             |       |           |      |
| STATES- 32,34                                      | 5 WITH HERD-MATES    | 6   | 11,596            | 3.9  | 456             | 29    | 12,231    | 462  |
|  |                      |     |                   |      |                 | OIFF. | 635-      | 6-   |
| 1326779 .....                                      |                      |     |                   |      |                 |       |           |      |
|  | 9 NON-AI DAUGHTERS   | 9   | 14,266            | 3.4  | 492             |       |           |      |
| STATES- 31   | 8 WITH HERD-MATES    | 8   | 14,213            | 3.3  | 475             | 17    | 11,775    | 395  |
|  |                      |     |                   |      |                 | OIFF. | 2438      | 80   |
| 1326796 ZELDENRUST PURE GOLO.....                  |                      |     |                   |      |                 |       |           |      |
| 01-28-58 1028260 3998939                           | 9 AI DAUGHTERS-09    | 9   | 9,619             | 3.8  | 362             |       |           |      |
| AI STUO, 34-01 LISTEO, 05-64                       | 7 WITH HERD-MATES    | 7   | 9,287             | 3.8  | 352             | 4     | 12,556    | 468  |
| STATES- 34,42,86                                   |                      |     |                   |      |                 | OIFF. | 3269-     | 116- |
|  | 50 NON-AI DAUGHTERS  | 61  | 12,552            | 3.9  | 485             |       |           |      |
|  | 48 WITH HERD-MATES   | 59  | 12,741            | 3.9  | 493             | 20    | 13,996    | 512  |
|  |                      |     |                   |      |                 | OIFF. | 1255-     | 19-  |
| 1326798 HACK PA8ST PAL.....                        |                      |     |                   |      |                 |       |           |      |
| 02-21-58 1035164 4280757                           | 8 NON-AI DAUGHTERS   | 10  | 14,782            | 3.4  | 500             |       |           |      |
| LISTEO, 05-64                                      | 8 WITH HERD-MATES    | 10  | 14,782            | 3.4  | 500             | 14    | 13,490    | 491  |
| STATES- 43   |                      |     |                   |      |                 | OIFF. | 1292      | 9    |
| 1326823 .....                                      |                      |     |                   |      |                 |       |           |      |
|  | 5 NON-AI DAUGHTERS   | 6   | 11,816            | 3.6  | 430             |       |           |      |
| STATES- 12   | 5 WITH HERD-MATES    | 6   | 11,816            | 3.6  | 430             | 34    | 12,404    | 465  |
|  |                      |     |                   |      |                 | OIFF. | 588-      | 35-  |
| 1326835 GLENAFTON ORUMMER.....                     |                      |     |                   |      |                 |       |           |      |
| 09-19-57 010249530 010723716                       | 710 AI DAUGHTERS-25* | 910 | 13,729            | 3.9  | 529             |       |           |      |
| AI STUO, 23-07 LISTEO, 03-64                       | 706 WITH HERD-MATES  | 900 | 13,728            | 3.9  | 529             | 16    | 13,747    | 516  |
| STATES- 22,23,34,50,52                             |                      |     |                   |      |                 | OIFF. | 19-       | 13   |
|  | 1 NON-AI DAUGHTERS   | 2   | 12,395            | 3.8  | 467             |       |           |      |
|  | 1 WITH HERD-MATES    | 2   | 12,395            | 3.8  | 467             | 16    | 12,310    | 460  |
|  |                      |     |                   |      |                 | OIFF. | 85        | 7    |
| 1326836 .....                                      |                      |     |                   |      |                 |       |           |      |
|  | 5 NON-AI DAUGHTERS   | 6   | 9,779             | 3.7  | 361             |       |           |      |
| STATES- 14   | 5 WITH HERD-MATES    | 6   | 9,779             | 3.7  | 361             | 26    | 12,621    | 453  |
|  |                      |     |                   |      |                 | OIFF. | 2842-     | 92-  |
| 1326873 .....                                      |                      |     |                   |      |                 |       |           |      |
|  | 5 NON-AI DAUGHTERS   | 5   | 14,270            | 3.7  | 533             |       |           |      |
| STATES- 23   | 5 WITH HERD-MATES    | 5   | 14,270            | 3.7  | 533             | 18    | 15,477    | 563  |
|  |                      |     |                   |      |                 | OIFF. | 1207-     | 30-  |
| 1326923 .....                                      |                      |     |                   |      |                 |       |           |      |
|  | 7 NON-AI DAUGHTERS   | 8   | 14,074            | 3.5  | 498             |       |           |      |
| STATES- 52,56                                      | 7 WITH HERD-MATES    | 8   | 14,074            | 3.5  | 498             | 33    | 13,156    | 492  |
|  |                      |     |                   |      |                 | OIFF. | 918       | 6    |
| 1326938 SISSON FARM HANNAH OOU8LE ARA8 - TWIN..... |                      |     |                   |      |                 |       |           |      |
| 02-04-58 1213698 2908739                           | 13 NON-AI DAUGHTERS  | 14  | 12,953            | 4.0  | 518             |       |           |      |
| LISTEO, 03-64                                      | 13 WITH HERD-MATES   | 14  | 12,953            | 4.0  | 518             | 15    | 15,123    | 551  |
| STATES- 21   |                      |     |                   |      |                 | OIFF. | 2170-     | 33-  |
| 1326940 .....                                      |                      |     |                   |      |                 |       |           |      |
|  | 6 NON-AI DAUGHTERS   | 6   | 11,357            | 3.4  | 381             |       |           |      |
| STATES- 23,54                                      | 6 WITH HERD-MATES    | 6   | 11,357            | 3.4  | 381             | 7     | 10,904    | 351  |
|  |                      |     |                   |      |                 | OIFF. | 453       | 30   |
| 1326957 RAG APPLE LAUXMONT LASSIE.....             |                      |     |                   |      |                 |       |           |      |
| 09-25-56 1234709 3446772                           | 9 NON-AI DAUGHTERS   | 9   | 12,376            | 3.6  | 441             |       |           |      |
| LISTEO, 08-62                                      | 9 WITH HERD-MATES    | 9   | 12,376            | 3.6  | 441             | 14    | 12,978    | 463  |
| STATES- 55   |                      |     |                   |      |                 | OIFF. | 602-      | 22-  |
| 1326977 .....                                      |                      |     |                   |      |                 |       |           |      |
|  | 5 NON-AI DAUGHTERS   | 7   | 13,747            | 3.9  | 535             |       |           |      |
| STATES- 23,51                                      | 5 WITH HERD-MATES    | 7   | 13,747            | 3.9  | 535             | 9     | 13,036    | 474  |
|  |                      |     |                   |      |                 | OIFF. | 711       | 61   |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN                                    |               |                  |     | AV. PRODUCTION DF DAU. | ADJ. HERD-MATES AV. PREDICTED AV. |     |       |        |      |        |
|---|---------------|------------------|-----|------------------------|-----------------------------------|-----|-------|--------|------|--------|
|   |               |                  |     | RECORDS MILK TEST FAT  | AV. MILK FAT                      |     |       |        |      |        |
|   |               |                  |     | NUMBER LB % LB         | NUMBER LB LB                      |     |       |        |      |        |
| 1327011 .....                               |               |                  |     |                        |                                   |     |       |        |      |        |
| STATES- 11                                  | 5             | NON-AI DAUGHTERS | 5   | 9,474                  | 4.4                               | 417 |       |        |      |        |
|   | 4             | WITH HERD-MATES  | 4   | 9,900                  | 4.5                               | 446 | 14    | 14,126 | 555  |        |
|   |               |                  |     |                        |                                   |     | DIFF. | 4226-  | 109- |        |
| 1327028 ALLAMUCHY MDDEL TRAILBLAZER.....    |               |                  |     |                        |                                   |     |       |        |      |        |
| 12-24-57                                    | 854210        | 3760988          | 9   | 13,394                 | 3.9                               | 517 |       |        |      |        |
|   | LISTED, 03-64 |                  | 9   | 13,394                 | 3.9                               | 517 | 32    | 15,494 | 580  |        |
| STATES- 22                                  |               |                  |     |                        |                                   |     | DIFF. | 2100-  | 63-  |        |
| 1327118 SHDCH MANDR DUN-D-GRAM.....         |               |                  |     |                        |                                   |     |       |        |      |        |
| 11-08-57                                    | 1254725       | 3587144          | 18  | 12,347                 | 3.7                               | 454 |       |        |      |        |
|   | LISTED, 11-63 |                  | 18  | 12,347                 | 3.7                               | 454 | 20    | 13,710 | 501  |        |
| STATES- 23,35                               |               |                  |     |                        |                                   |     | DIFF. | 1363-  | 47-  |        |
| 1327165 AMESTEAD PA8ST DRMSBY CAPTAIN.....  |               |                  |     |                        |                                   |     |       |        |      |        |
| 10-11-56                                    | 1215958       | 3585351          | 8   | 15,242                 | 3.7                               | 571 |       |        |      |        |
|   | LISTED, 08-63 |                  | 8   | 15,242                 | 3.7                               | 571 | 14    | 14,404 | 557  |        |
| STATES- 22,33                               |               |                  |     |                        |                                   |     | DIFF. | 838    | 14   |        |
| 1327169 MASTERPIECE 8ELWAYNE GDRDDN.....    |               |                  |     |                        |                                   |     |       |        |      |        |
| 06-03-58                                    | 905683        | 3307036          | 53  | 13,116                 | 3.7                               | 485 |       |        |      |        |
| AI STUD, 21-01                              | LISTED, 05-64 |                  | 53  | 13,116                 | 3.7                               | 485 | 28    | 14,136 | 506  | 11,779 |
| STATES- 13,21,23                            |               |                  |     |                        |                                   |     | DIFF. | 1020-  | 21-  | 442    |
|   |               | 1                | 1   | 7,780                  | 3.2                               | 246 |       |        |      |        |
|   |               | 1                | 1   | 7,780                  | 3.2                               | 246 | 17    | 10,637 | 372  |        |
|   |               |                  |     |                        |                                   |     | DIFF. | 2857-  | 126- |        |
| 1327231 HAWKEYE DRMSBY IDEAL DDN.....       |               |                  |     |                        |                                   |     |       |        |      |        |
| 12-13-57                                    | 1014927       | 3592619          | 23  | 12,893                 | 3.7                               | 474 |       |        |      |        |
|   | LISTED, 08-63 |                  | 23  | 12,893                 | 3.7                               | 474 | 14    | 13,507 | 484  |        |
| STATES- 42                                  |               |                  |     |                        |                                   |     | DIFF. | 614-   | 10-  |        |
| 1327251 .....                               |               |                  |     |                        |                                   |     |       |        |      |        |
| STATES- 42                                  | 5             | NON-AI DAUGHTERS | 5   | 14,468                 | 3.6                               | 522 |       |        |      |        |
|   | 5             | WITH HERD-MATES  | 5   | 14,468                 | 3.6                               | 522 | 14    | 14,460 | 507  |        |
|   |               |                  |     |                        |                                   |     | DIFF. | 8      | 15   |        |
| 1327290 .....                               |               |                  |     |                        |                                   |     |       |        |      |        |
| STATES- 42                                  | 6             | NON-AI DAUGHTERS | 6   | 12,672                 | 3.3                               | 424 |       |        |      |        |
|   | 6             | WITH HERD-MATES  | 6   | 12,672                 | 3.3                               | 424 | 5     | 12,350 | 430  |        |
|   |               |                  |     |                        |                                   |     | DIFF. | 322    | 6-   |        |
| 1327307 .....                               |               |                  |     |                        |                                   |     |       |        |      |        |
| STATES- 31                                  | 5             | NON-AI DAUGHTERS | 5   | 12,430                 | 3.8                               | 475 |       |        |      |        |
|   | 5             | WITH HERD-MATES  | 5   | 12,430                 | 3.8                               | 475 | 29    | 11,372 | 417  |        |
|   |               |                  |     |                        |                                   |     | DIFF. | 1058   | 58   |        |
| 1327311 8UDD FARM JOHANNA ACE.....          |               |                  |     |                        |                                   |     |       |        |      |        |
| 05-25-58                                    | 1186187       | 3750202          | 203 | 12,377                 | 4.0                               | 499 |       |        |      |        |
| AI STUD, 23-05                              | LISTED, 05-64 |                  | 203 | 12,398                 | 4.0                               | 500 | 16    | 13,638 | 513  | 11,415 |
| STATES- 23,54                               |               |                  |     |                        |                                   |     | DIFF. | 1240-  | 13-  | 448    |
|   |               | 1                | 1   | 8,550                  | 4.5                               | 386 |       |        |      |        |
|   |               | 1                | 1   | 8,550                  | 4.5                               | 386 | 6     | 10,778 | 400  |        |
|   |               |                  |     |                        |                                   |     | DIFF. | 2228-  | 14-  |        |
| 1327419 SKOKIE SUPREME BDY.....             |               |                  |     |                        |                                   |     |       |        |      |        |
| 06-21-58                                    | 1282185       | 3341222          | 10  | 14,941                 | 3.5                               | 519 |       |        |      |        |
| AI STUD, 16-04                              | LISTED, 05-64 |                  | 10  | 14,941                 | 3.5                               | 519 | 43    | 16,252 | 610  |        |
| STATES- 12,16                               |               |                  |     |                        |                                   |     | DIFF. | 1311-  | 91-  |        |
| 1327525 .....                               |               |                  |     |                        |                                   |     |       |        |      |        |
| STATES- 42                                  | 5             | NON-AI DAUGHTERS | 5   | 13,770                 | 3.7                               | 507 |       |        |      |        |
|   | 5             | WITH HERD-MATES  | 5   | 13,770                 | 3.7                               | 507 | 14    | 14,528 | 538  |        |
|   |               |                  |     |                        |                                   |     | DIFF. | 758-   | 31-  |        |
| 1327563 .....                               |               |                  |     |                        |                                   |     |       |        |      |        |
| STATES- 82                                  | 6             | NON-AI DAUGHTERS | 6   | 14,945                 | 3.4                               | 514 |       |        |      |        |
|   | 6             | WITH HERD-MATES  | 6   | 14,945                 | 3.4                               | 514 | 22    | 16,494 | 572  |        |
|   |               |                  |     |                        |                                   |     | DIFF. | 1549-  | 58-  |        |
| 1327571 INKA MDUNTAIN MEADWW BURKE GOV..... |               |                  |     |                        |                                   |     |       |        |      |        |
| 11-20-57                                    | 1038509       | 2877425          | 9   | 15,194                 | 3.5                               | 525 |       |        |      |        |
|   | LISTED, 08-63 |                  | 9   | 15,194                 | 3.5                               | 525 | 14    | 13,707 | 493  |        |
| STATES- 87                                  |               |                  |     |                        |                                   |     | DIFF. | 1487   | 32   |        |
| 1327631 .....                               |               |                  |     |                        |                                   |     |       |        |      |        |
| STATES- 21                                  | 5             | NON-AI DAUGHTERS | 5   | 9,556                  | 3.4                               | 321 |       |        |      |        |
|   | 5             | WITH HERD-MATES  | 5   | 9,556                  | 3.4                               | 321 | 12    | 12,487 | 457  |        |
|   |               |                  |     |                        |                                   |     | DIFF. | 2931-  | 136- |        |
| 1327695 .....                               |               |                  |     |                        |                                   |     |       |        |      |        |
| STATES- 42                                  | 6             | NON-AI DAUGHTERS | 6   | 13,112                 | 3.7                               | 488 |       |        |      |        |
|   | 6             | WITH HERD-MATES  | 6   | 13,112                 | 3.7                               | 488 | 6     | 10,632 | 403  |        |
|   |               |                  |     |                        |                                   |     | DIFF. | 2480   | 85   |        |
| 1327778 .....                               |               |                  |     |                        |                                   |     |       |        |      |        |
| STATES- 14                                  | 6             | NON-AI DAUGHTERS | 7   | 11,426                 | 3.7                               | 426 |       |        |      |        |
|   | 6             | WITH HERD-MATES  | 7   | 11,426                 | 3.7                               | 426 | 23    | 12,184 | 454  |        |
|   |               |                  |     |                        |                                   |     | DIFF. | 758-   | 28-  |        |
| 1327836 TDBY HILL PRINCE MARK.....          |               |                  |     |                        |                                   |     |       |        |      |        |
| 05-18-58                                    | 1265695       | 3800245          | 8   | 11,531                 | 3.9                               | 452 |       |        |      |        |
|   | LISTED, 03-64 |                  | 8   | 11,531                 | 3.9                               | 452 | 32    | 12,776 | 499  |        |
| STATES- 14                                  |               |                  |     |                        |                                   |     | DIFF. | 1245-  | 47-  |        |
| 1327857 .....                               |               |                  |     |                        |                                   |     |       |        |      |        |
| STATES- 93                                  | 10            | NON-AI DAUGHTERS | 10  | 18,932                 | 3.4                               | 635 |       |        |      |        |
|   | 10            | WITH HERD-MATES  | 10  | 18,932                 | 3.4                               | 635 | 161   | 16,508 | 567  |        |
|   |               |                  |     |                        |                                   |     | DIFF. | 2424   | 68   |        |
| 1327867 MAYERS RAVEN ANNA DUKE.....         |               |                  |     |                        |                                   |     |       |        |      |        |
| 04-11-58                                    | 1293580       | 3712504          | 14  | 14,004                 | 3.6                               | 505 |       |        |      |        |
| AI STUD, 41-25                              | LISTED, 05-64 |                  | 14  | 14,004                 | 3.6                               | 505 | 15    | 14,965 | 525  |        |
| STATES- 35                                  |               |                  |     |                        |                                   |     | DIFF. | 961-   | 20-  |        |

| SIRE OF DAIRY DAUGHTERS                       |               |         |                     | AV. PRODUCTION OF DAIRY |        |      |     | ADJ. HERD-MATES AV. |        |     | PREVIOUS AV. |     |
|---|---------------|---------|---------------------|-------------------------|--------|------|-----|---------------------|--------|-----|--------------|-----|
| HOLSTEIN                                      |               |         |                     | RECORDS                 | MILK   | TEST | FAT | NUMBER              | MILK   | FAT | MILK         | FAT |
|   |               |         |                     | NUMBER                  | LBS    | %    | LBS |                     | LBS    | LBS | LBS          | LBS |
| 1327896 VIN-MAR 8A0GE 10EAL.....              |               |         |                     |                         |        |      |     |                     |        |     |              |     |
| 10-12-55                                      | 1013415       | 3968863 | 13 NON-AI DAUGHTERS | 15                      | 13,309 | 3.3  | 440 |                     |        |     |              |     |
|   | LISTED, 08-63 |         | 13 WITH HERD-MATES  | 15                      | 13,309 | 3.3  | 440 | 13                  | 14,086 | 507 |              |     |
| STATES- 31                                    |               |         |                     |                         |        |      |     | OIFF.               | 777-   | 67- |              |     |
| 1327900 .....                                 |               |         |                     |                         |        |      |     |                     |        |     |              |     |
|   |               |         | 5 NON-AI DAUGHTERS  | 6                       | 13,065 | 3.7  | 484 |                     |        |     |              |     |
| STATES- 55                                    |               |         | 5 WITH HERD-MATES   | 6                       | 13,065 | 3.7  | 484 | 48                  | 13,803 | 467 |              |     |
|   |               |         |                     |                         |        |      |     | OIFF.               | 738-   | 17  |              |     |
| 1327927 .....                                 |               |         |                     |                         |        |      |     |                     |        |     |              |     |
|   |               |         | 5 NON-AI DAUGHTERS  | 7                       | 11,933 | 4.1  | 486 |                     |        |     |              |     |
| STATES- 51                                    |               |         | 5 WITH HERD-MATES   | 7                       | 11,933 | 4.1  | 486 | 13                  | 14,084 | 546 |              |     |
|   |               |         |                     |                         |        |      |     | OIFF.               | 2151-  | 60- |              |     |
| 1327955 TRASKOALE 8EETS DEAN LEADER.....      |               |         |                     |                         |        |      |     |                     |        |     |              |     |
| 12-05-57                                      | 915940        | 3251672 | 8 NON-AI DAUGHTERS  | 9                       | 8,954  | 3.8  | 342 |                     |        |     |              |     |
|   | LISTED, 11-63 |         | 8 WITH HERD-MATES   | 9                       | 8,954  | 3.8  | 342 | 12                  | 10,784 | 423 |              |     |
| STATES- 51                                    |               |         |                     |                         |        |      |     | OIFF.               | 1830-  | 81- |              |     |
| 1327975 MANCRYCO RUEBURKE.....                |               |         |                     |                         |        |      |     |                     |        |     |              |     |
| 01-17-58                                      | 1275636       | 3817181 | 18 NON-AI DAUGHTERS | 21                      | 15,733 | 3.3  | 525 |                     |        |     |              |     |
|   | LISTED, 03-64 |         | 18 WITH HERD-MATES  | 21                      | 15,733 | 3.3  | 525 | 13                  | 13,850 | 512 |              |     |
| STATES- 42                                    |               |         |                     |                         |        |      |     | OIFF.               | 1883   | 13  |              |     |
| 1328115 .....                                 |               |         |                     |                         |        |      |     |                     |        |     |              |     |
|   |               |         | 6 NON-AI DAUGHTERS  | 6                       | 16,160 | 3.4  | 549 |                     |        |     |              |     |
| STATES- 31                                    |               |         | 6 WITH HERD-MATES   | 6                       | 16,160 | 3.4  | 549 | 8                   | 14,607 | 518 |              |     |
|   |               |         |                     |                         |        |      |     | OIFF.               | 1553   | 31  |              |     |
| 1328258 .....                                 |               |         |                     |                         |        |      |     |                     |        |     |              |     |
|   |               |         | 8 NON-AI DAUGHTERS  | 8                       | 12,053 | 3.8  | 456 |                     |        |     |              |     |
| STATES- 32                                    |               |         | 8 WITH HERD-MATES   | 8                       | 12,053 | 3.8  | 456 | 13                  | 12,534 | 453 |              |     |
|   |               |         |                     |                         |        |      |     | OIFF.               | 481-   | 3   |              |     |
| 1328260 FISHER OELL AOM CORA RUE CHET.....    |               |         |                     |                         |        |      |     |                     |        |     |              |     |
| 12-13-57                                      | 1119514       | 3250153 | 8 NON-AI DAUGHTERS  | 8                       | 12,740 | 3.8  | 482 |                     |        |     |              |     |
|   | LISTED, 11-63 |         | 8 WITH HERD-MATES   | 8                       | 12,740 | 3.8  | 482 | 19                  | 14,028 | 529 |              |     |
| STATES- 32                                    |               |         |                     |                         |        |      |     | OIFF.               | 1288-  | 47- |              |     |
| 1328277 CHRISTY MERITOR CONFIDENT.....        |               |         |                     |                         |        |      |     |                     |        |     |              |     |
| 05-19-58                                      | 1265747       | 4287145 | 17 NON-AI DAUGHTERS | 22                      | 12,574 | 4.0  | 498 |                     |        |     |              |     |
|   | LISTED, 11-63 |         | 15 WITH HERD-MATES  | 19                      | 12,892 | 3.9  | 507 | 8                   | 14,047 | 537 |              |     |
| STATES- 42                                    |               |         |                     |                         |        |      |     | OIFF.               | 1155-  | 30- |              |     |
| 1328299 .....                                 |               |         |                     |                         |        |      |     |                     |        |     |              |     |
|   |               |         | 5 NON-AI DAUGHTERS  | 6                       | 14,123 | 3.8  | 532 |                     |        |     |              |     |
| STATES- 87                                    |               |         | 5 WITH HERD-MATES   | 6                       | 14,123 | 3.8  | 532 | 15                  | 13,783 | 508 |              |     |
|   |               |         |                     |                         |        |      |     | OIFF.               | 340    | 24  |              |     |
| 1328329 NORTHERN KY ORMSBY F08ES.....         |               |         |                     |                         |        |      |     |                     |        |     |              |     |
| 10-13-57                                      | 1100926       | 3376339 | 16 NON-AI DAUGHTERS | 19                      | 10,276 | 3.6  | 369 |                     |        |     |              |     |
|   | LISTED, 03-64 |         | 15 WITH HERD-MATES  | 18                      | 10,121 | 3.6  | 365 | 16                  | 11,156 | 393 |              |     |
| STATES- 61                                    |               |         |                     |                         |        |      |     | OIFF.               | 1035-  | 28- |              |     |
| 1328384 FARMSTEAD VICTOR CHAMP.....           |               |         |                     |                         |        |      |     |                     |        |     |              |     |
| 02-10-58                                      | 1211245       | 3329088 | 16 NON-AI DAUGHTERS | 20                      | 12,268 | 3.8  | 461 |                     |        |     |              |     |
|   | LISTED, 11-63 |         | 14 WITH HERD-MATES  | 17                      | 12,039 | 3.8  | 458 | 11                  | 12,100 | 437 |              |     |
| STATES- 34                                    |               |         |                     |                         |        |      |     | OIFF.               | 61-    | 21  |              |     |
| 1328392 .....                                 |               |         |                     |                         |        |      |     |                     |        |     |              |     |
|   |               |         | 5 NON-AI DAUGHTERS  | 7                       | 13,783 | 3.8  | 525 |                     |        |     |              |     |
| STATES- 52                                    |               |         | 5 WITH HERD-MATES   | 7                       | 13,783 | 3.8  | 525 | 10                  | 13,174 | 454 |              |     |
|   |               |         |                     |                         |        |      |     | OIFF.               | 609    | 71  |              |     |
| 1328477 GYPSIE SAMMY.....                     |               |         |                     |                         |        |      |     |                     |        |     |              |     |
| 12-25-56                                      | 1161998       | 3301260 | 17 NON-AI DAUGHTERS | 21                      | 11,366 | 3.5  | 400 |                     |        |     |              |     |
|   | LISTED, 08-63 |         | 17 WITH HERD-MATES  | 21                      | 11,366 | 3.5  | 400 | 5                   | 12,048 | 439 |              |     |
| STATES- 41                                    |               |         |                     |                         |        |      |     | OIFF.               | 682-   | 39- |              |     |
| 1328515 OXSONIC DAUNTLESS KING.....           |               |         |                     |                         |        |      |     |                     |        |     |              |     |
| 12-12-57                                      | 1269678       | 2959639 | 16 NON-AI DAUGHTERS | 20                      | 15,756 | 3.6  | 565 |                     |        |     |              |     |
|   | LISTED, 11-63 |         | 16 WITH HERD-MATES  | 19                      | 15,704 | 3.6  | 563 | 36                  | 14,592 | 519 |              |     |
| STATES- 55                                    |               |         |                     |                         |        |      |     | OIFF.               | 1112   | 44  |              |     |
| 1328549 FAIR EOLEN COMET.....                 |               |         |                     |                         |        |      |     |                     |        |     |              |     |
| 02-14-58                                      | 1283073       | 3309398 | 8 NON-AI DAUGHTERS  | 9                       | 10,902 | 3.5  | 381 |                     |        |     |              |     |
|   | LISTED, 03-64 |         | 8 WITH HERD-MATES   | 9                       | 10,902 | 3.5  | 381 | 16                  | 11,639 | 404 |              |     |
| STATES- 34                                    |               |         |                     |                         |        |      |     | OIFF.               | 737-   | 23- |              |     |
| 1328573 .....                                 |               |         |                     |                         |        |      |     |                     |        |     |              |     |
|   |               |         | 5 NON-AI DAUGHTERS  | 5                       | 14,882 | 3.4  | 513 |                     |        |     |              |     |
| STATES- 32                                    |               |         | 5 WITH HERD-MATES   | 5                       | 14,882 | 3.4  | 513 | 32                  | 16,423 | 578 |              |     |
|   |               |         |                     |                         |        |      |     | OIFF.               | 1541-  | 65- |              |     |
| 1328632 .....                                 |               |         |                     |                         |        |      |     |                     |        |     |              |     |
|   |               |         | 7 NON-AI DAUGHTERS  | 8                       | 14,113 | 3.5  | 500 |                     |        |     |              |     |
| STATES- 21                                    |               |         | 7 WITH HERD-MATES   | 8                       | 14,113 | 3.5  | 500 | 11                  | 14,190 | 493 |              |     |
|   |               |         |                     |                         |        |      |     | OIFF.               | 77-    | 7   |              |     |
| 1328698 .....                                 |               |         |                     |                         |        |      |     |                     |        |     |              |     |
|   |               |         | 5 NON-AI DAUGHTERS  | 5                       | 15,844 | 3.4  | 535 |                     |        |     |              |     |
| STATES- 74,85                                 |               |         | 5 WITH HERD-MATES   | 5                       | 15,844 | 3.4  | 535 | 16                  | 13,594 | 470 |              |     |
|   |               |         |                     |                         |        |      |     | OIFF.               | 2250   | 65  |              |     |
| 1328857 RO-BAR RAVEN DALE GAYLORD - TWIN..... |               |         |                     |                         |        |      |     |                     |        |     |              |     |
| 03-10-57                                      | 1195761       | 3321654 | 14 NON-AI DAUGHTERS | 22                      | 8,231  | 3.7  | 304 |                     |        |     |              |     |
|   | LISTED, 08-63 |         | 14 WITH HERD-MATES  | 22                      | 8,231  | 3.7  | 304 | 15                  | 9,584  | 359 |              |     |
| STATES- 42                                    |               |         |                     |                         |        |      |     | OIFF.               | 1353-  | 55- |              |     |
| 1328863 ALBRECHT SEGIS DE KOL.....            |               |         |                     |                         |        |      |     |                     |        |     |              |     |
| 05-25-58                                      | 1273318       | 3498783 | 11 NON-AI DAUGHTERS | 14                      | 15,394 | 3.7  | 566 |                     |        |     |              |     |
|   | LISTED, 03-64 |         | 11 WITH HERD-MATES  | 14                      | 15,394 | 3.7  | 566 | 19                  | 14,364 | 517 |              |     |
| STATES- 41,47                                 |               |         |                     |                         |        |      |     | OIFF.               | 1030   | 49  |              |     |



## SIREs OF DHIA DAUGHTERS

| HDLSTEIN  |                     |                   | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|---|---------------------|-------------------|------------------------|---------------------|---------------|
|   |                     |                   | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT      |
|   |                     |                   | NUMBER LB % LB         | NUMBER LB           | L8 L8         |
| 1328888 .....                                   | 6 NDN-AI DAUGHTERS  | 7 14,556 3.8 549  |                        |                     |               |
| STATES- 31                                      | 6 WITH HERD-MATES   | 7 14,556 3.8 549  | 34 DIFF.               | 14,337 219          | 518 31        |
| 1329002 .....                                   | 5 NDN-AI DAUGHTERS  | 5 14,126 3.2 452  |                        |                     |               |
| STATES- 31                                      | 5 WITH HERD-MATES   | 5 14,126 3.2 452  | 20 DIFF.               | 13,369 757          | 484 32-       |
| 1329021 .....                                   | 5 NDN-AI DAUGHTERS  | 5 12,940 3.7 479  |                        |                     |               |
| STATES- 23                                      | 5 WITH HERD-MATES   | 5 12,940 3.7 479  | 7 DIFF.                | 13,536 596-         | 519 40-       |
| 1329023 8AVELAS RAVEN BURKE IDEAL.....          |                     |                   |                        |                     |               |
| 10-01-57 1226225 4259098                        | 21 NDN-AI DAUGHTERS | 26 12,577 3.6 456 |                        |                     |               |
| LISTED, 03-64                                   | 21 WITH HERD-MATES  | 26 12,577 3.6 456 | 12 DIFF.               | 11,673 904          | 424 32        |
| STATES- 87,92                                   |                     |                   |                        |                     |               |
| 1329134 .....                                   | 5 NDN-AI DAUGHTERS  | 5 15,290 3.6 549  |                        |                     |               |
| STATES- 33                                      | 5 WITH HERD-MATES   | 5 15,290 3.6 549  | 13 DIFF.               | 15,294 4-           | 557 8-        |
| 1329207 SDBDSS RAIN8DW CLYOE.....               |                     |                   |                        |                     |               |
| 08-16-57 1155944 2904055                        | 13 NDN-AI DAUGHTERS | 13 11,995 3.4 409 |                        |                     |               |
| LISTED, 03-64                                   | 12 WITH HERD-MATES  | 12 12,193 3.4 418 | 13 DIFF.               | 13,793 1600-        | 499 81-       |
| STATES- 34                                      |                     |                   |                        |                     |               |
| 1329249 TIDY BURKE CORNERSTONE.....             |                     |                   |                        |                     |               |
| 09-13-57 1196645 2683386                        | 5 AI DAUGHTERS-05   |                   |                        |                     |               |
| AI STUD, 31-02 LISTED, 05-64                    | 4 WITH HERD-MATES   |                   |                        |                     |               |
| STATES- 31,41,43,48,56,84                       |                     |                   |                        |                     |               |
|   | 9 NDN-AI DAUGHTERS  | 11 15,014 3.6 543 |                        |                     |               |
|   | 6 WITH HERD-MATES   | 6 14,147 3.7 518  | 9 DIFF.                | 15,484 1337-        | 561 43-       |
| 1329308 .....                                   | 5 NDN-AI DAUGHTERS  | 6 15,115 3.9 588  |                        |                     |               |
| STATES- 45                                      | 5 WITH HERD-MATES   | 6 15,115 3.9 588  | 7 DIFF.                | 12,125 2990         | 478 110       |
| 1329312 FRIESEN RDBURKE RAY.....                |                     |                   |                        |                     |               |
| 10-28-57 1024453 4001134                        | 8 NDN-AI DAUGHTERS  | 11 14,153 3.6 515 |                        |                     |               |
| LISTED, 03-64                                   | 8 WITH HERD-MATES   | 11 14,153 3.6 515 | 15 DIFF.               | 14,083 70           | 520 5-        |
| STATES- 41,45                                   |                     |                   |                        |                     |               |
| 1329320 .....                                   | 5 NDN-AI DAUGHTERS  | 5 10,330 3.7 386  |                        |                     |               |
| STATES- 81                                      | 5 WITH HERD-MATES   | 5 10,330 3.7 386  | 11 DIFF.               | 11,299 969-         | 369 17        |
| 1329384 8DGGs HILL CARDLINE WEEJDE.....         |                     |                   |                        |                     |               |
| 08-08-57 976710 2469105                         | 8 NDN-AI DAUGHTERS  | 10 9,046 3.7 333  |                        |                     |               |
| LISTED, 11-63                                   | 8 WITH HERD-MATES   | 10 9,046 3.7 333  | 15 DIFF.               | 10,066 1020-        | 364 31-       |
| STATES- 54                                      |                     |                   |                        |                     |               |
| 1329476 TIDY BURKE MERCEDES.....                |                     |                   |                        |                     |               |
| 08-29-57 1195221 4178023                        | 14 NDN-AI DAUGHTERS | 17 15,130 3.4 515 |                        |                     |               |
| LISTED, 11-63                                   | 14 WITH HERD-MATES  | 17 15,130 3.4 515 | 12 DIFF.               | 12,754 2376         | 456 59        |
| STATES- 48                                      |                     |                   |                        |                     |               |
| 1329477 TIDY BURKE SDNER.....                   |                     |                   |                        |                     |               |
| 09-10-57 1195221 3825985                        | 12 NDN-AI DAUGHTERS | 14 13,593 3.8 517 |                        |                     |               |
| LISTED, 08-63                                   | 12 WITH HERD-MATES  | 14 13,593 3.8 517 | 30 DIFF.               | 13,695 102-         | 500 17        |
| STATES- 73                                      |                     |                   |                        |                     |               |
| 1329490 .....                                   | 6 NDN-AI DAUGHTERS  | 6 17,327 3.4 593  |                        |                     |               |
| STATES- 81                                      | 6 WITH HERD-MATES   | 6 17,327 3.4 593  | 8 DIFF.                | 15,091 2236         | 534 59        |
| 1329495 DRURY-LANE CDLA.....                    |                     |                   |                        |                     |               |
| 09-06-57 1184341 3195532                        | 20 NDN-AI DAUGHTERS | 29 13,707 3.6 499 |                        |                     |               |
| LISTED, 08-63                                   | 20 WITH HERD-MATES  | 29 13,707 3.6 499 | 33 DIFF.               | 12,993 714          | 490 9         |
| STATES- 35,87                                   |                     |                   |                        |                     |               |
| 1329533 HERMAN PINE SHELTER.....                |                     |                   |                        |                     |               |
| 01-27-57 1239906 3494776                        | 46 NDN-AI DAUGHTERS | 89 11,552 3.6 418 |                        |                     |               |
| LISTED, 08-63                                   | 45 WITH HERD-MATES  | 88 11,456 3.6 415 | 10 DIFF.               | 11,513 57-          | 406 9         |
| STATES- 42                                      |                     |                   |                        |                     |               |
| 1329553 LDHDS T JAY IDABEL NEVILLE.....         |                     |                   |                        |                     |               |
| 05-03-58 1108999 3949474                        | 9 NDN-AI DAUGHTERS  | 10 13,081 3.9 504 |                        |                     |               |
| LISTED, 03-64                                   | 9 WITH HERD-MATES   | 10 13,081 3.9 504 | 18 DIFF.               | 13,425 344-         | 485 19        |
| STATES- 73                                      |                     |                   |                        |                     |               |
| 1329581 VIGD SIR LEADER RDBURKE.....            |                     |                   |                        |                     |               |
| 12-30-57 915940 3494405                         | 15 NDN-AI DAUGHTERS | 18 12,217 3.9 480 |                        |                     |               |
| LISTED, 03-64                                   | 15 WITH HERD-MATES  | 18 12,217 3.9 480 | 7 DIFF.                | 12,035 182          | 441 39        |
| STATES- 41,45                                   |                     |                   |                        |                     |               |
| 1329636 .....                                   | 5 NDN-AI DAUGHTERS  | 5 14,820 3.4 511  |                        |                     |               |
| STATES- 82                                      | 5 WITH HERD-MATES   | 5 14,820 3.4 511  | 11 DIFF.               | 14,132 688          | 507 4         |
| 1329679 CHEAT-HAM ALICE DRMSBY KING - TWIN..... |                     |                   |                        |                     |               |
| 11-27-57 1033908 3891678                        | 9 NDN-AI DAUGHTERS  | 14 14,102 3.4 475 |                        |                     |               |
| LISTED, 11-63                                   | 9 WITH HERD-MATES   | 14 14,102 3.4 475 | 18 DIFF.               | 13,788 314          | 477 2-        |
| STATES- 57                                      |                     |                   |                        |                     |               |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   |  |  |  |  | AV. RECORDS | PRODUCTION MILK L8 | OF TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|--|--|--|--|--|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 1329685 OAK SPRINGS CHIEF.....                   |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 01-31-58 1167510 3319607 12 AI DAUGHTERS-05      |  |  |  |  | 12          | 12,892             | 3.5       | 456         |                 |                    |            |                   |            |
| AI STUO, 41-01 LISTED, 03-64 12 WITH HERD-MATES  |  |  |  |  | 12          | 12,892             | 3.5       | 456         | 63              | 13,921             | 481        | 12,029            | 444        |
| STATES- 41,42                                    |  |  |  |  |             |                    |           |             | OIFF.           | 1029-              | 25-        |                   |            |
|  |  |  |  |  | 1           | 15,920             | 3.2       | 503         |                 |                    |            |                   |            |
|  |  |  |  |  | 1           | 15,920             | 3.2       | 503         | 12              | 13,527             | 504        |                   |            |
|  |  |  |  |  |             |                    |           |             | OIFF.           | 2393               | 1-         |                   |            |
| 1329686 M V B A RDXANNE PDSCH BENJAMIN.....      |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 01-02-58 1064738 3260026 22 AI DAUGHTERS-14      |  |  |  |  | 23          | 13,230             | 3.7       | 489         |                 |                    |            |                   |            |
| AI STUO, 41-01 LISTED, 05-64 22 WITH HERD-MATES  |  |  |  |  | 23          | 13,230             | 3.7       | 489         | 36              | 13,646             | 490        | 12,280            | 456        |
| STATES- 41,42,46                                 |  |  |  |  |             |                    |           |             | DIFF.           | 416-               | 1-         |                   |            |
| 1329745 .....                                    |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
|  |  |  |  |  | 5           | 14,098             | 3.8       | 540         |                 |                    |            |                   |            |
| STATES- 35,56                                    |  |  |  |  | 5           | 14,098             | 3.8       | 540         | 17              | 13,903             | 500        |                   |            |
|  |  |  |  |  |             |                    |           |             | OIFF.           | 195                | 40         |                   |            |
| 1329812 .....                                    |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
|  |  |  |  |  | 7           | 11,156             | 3.8       | 426         |                 |                    |            |                   |            |
| AI STUO, 42-02 7 WITH HERD-MATES                 |  |  |  |  | 7           | 11,156             | 3.8       | 426         | 14              | 12,264             | 451        | 12,065            | 446        |
| STATES- 42                                       |  |  |  |  |             |                    |           |             | OIFF.           | 1108-              | 25-        |                   |            |
|  |  |  |  |  | 6           | 12,166             | 3.9       | 469         |                 |                    |            |                   |            |
|  |  |  |  |  | 6           | 12,166             | 3.9       | 469         | 15              | 13,064             | 474        |                   |            |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 898-               | 5-         |                   |            |
| 1329969 KNOLLWOOD OIPLDMAT.....                  |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 05-08-58 1258383 2948378 11 NON-AI DAUGHTERS     |  |  |  |  | 11          | 11,795             | 3.6       | 420         |                 |                    |            |                   |            |
| LISTED, 05-64 11 WITH HERD-MATES                 |  |  |  |  | 11          | 11,795             | 3.6       | 420         | 22              | 12,442             | 446        |                   |            |
| STATES- 21                                       |  |  |  |  |             |                    |           |             | OIFF.           | 647-               | 26-        |                   |            |
| 1329999 JMC HOMESTEAD SILVER DEAN.....           |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 11-20-56 1121583 3249815 18 NON-AI DAUGHTERS     |  |  |  |  | 19          | 11,603             | 3.5       | 405         |                 |                    |            |                   |            |
| LISTED, 11-63 18 WITH HERD-MATES                 |  |  |  |  | 19          | 11,603             | 3.5       | 405         | 19              | 11,277             | 377        |                   |            |
| STATES- 71                                       |  |  |  |  |             |                    |           |             | OIFF.           | 326                | 28         |                   |            |
| 1330018 NDRTH STAR MONA L CARR.....              |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 01-27-58 908248 2684643 8 AI DAUGHTERS-06        |  |  |  |  | 9           | 15,008             | 3.7       | 556         |                 |                    |            |                   |            |
| AI STUO, 55-01 LISTED, 05-64 8 WITH HERD-MATES   |  |  |  |  | 9           | 15,008             | 3.7       | 556         | 43              | 14,886             | 553        | 12,616            | 460        |
| STATES- 55                                       |  |  |  |  |             |                    |           |             | OIFF.           | 122                | 3          |                   |            |
| 1330109 .....                                    |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
|  |  |  |  |  | 6           | 13,307             | 3.6       | 483         |                 |                    |            |                   |            |
| STATES- 31,32,34                                 |  |  |  |  | 6           | 13,307             | 3.6       | 483         | 17              | 13,281             | 481        |                   |            |
|  |  |  |  |  |             |                    |           |             | OIFF.           | 26                 | 2          |                   |            |
| 1330182 HARDEN FARMS DUKE MAESTRO.....           |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 04-08-58 1112211 3264133 138 AI DAUGHTERS-25*    |  |  |  |  | 156         | 13,863             | 3.6       | 497         |                 |                    |            |                   |            |
| AI STUO, 21-01 LISTED, 05-64 138 WITH HERD-MATES |  |  |  |  | 155         | 13,869             | 3.6       | 497         | 23              | 13,963             | 505        | 12,522            | 452        |
| STATES- 13,21,23                                 |  |  |  |  |             |                    |           |             | OIFF.           | 94-                | 8-         |                   |            |
|  |  |  |  |  | 1           | 12,980             | 3.8       | 490         |                 |                    |            |                   |            |
|  |  |  |  |  | 1           | 12,980             | 3.8       | 490         | 18              | 12,230             | 424        |                   |            |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 750                | 66         |                   |            |
| 1330183 HARDEN FARMS DUKE TRIUNE.....            |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 05-18-58 1112211 2200823 141 AI DAUGHTERS-25*    |  |  |  |  | 146         | 13,592             | 3.6       | 488         |                 |                    |            |                   |            |
| AI STUO, 33-02 LISTED, 05-64 139 WITH HERD-MATES |  |  |  |  | 144         | 13,582             | 3.6       | 489         | 15              | 13,002             | 479        | 13,053            | 466        |
| STATES- 33                                       |  |  |  |  |             |                    |           |             | OIFF.           | 580                | 10         |                   |            |
|  |  |  |  |  | 1           | 13,720             | 4.0       | 544         |                 |                    |            |                   |            |
|  |  |  |  |  | 1           | 13,720             | 4.0       | 544         | 27              | 10,253             | 381        |                   |            |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 3467               | 163        |                   |            |
| 1330223 INGLIS BORIS BEL WALLACE.....            |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 07-18-58 905683 3932781 47 AI DAUGHTERS-25*      |  |  |  |  | 53          | 12,525             | 3.7       | 461         |                 |                    |            |                   |            |
| AI STUO, 21-01 LISTED, 05-64 47 WITH HERD-MATES  |  |  |  |  | 53          | 12,525             | 3.7       | 461         | 27              | 13,429             | 488        | 11,833            | 436        |
| STATES- 13,21                                    |  |  |  |  |             |                    |           |             | DIFF.           | 904-               | 27-        |                   |            |
| 1330249 .....                                    |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
|  |  |  |  |  | 7           | 10,796             | 3.4       | 371         |                 |                    |            |                   |            |
| STATES- 42                                       |  |  |  |  | 7           | 10,796             | 3.4       | 371         | 13              | 10,057             | 373        |                   |            |
|  |  |  |  |  |             |                    |           |             | OIFF.           | 739                | 2-         |                   |            |
| 1330254 .....                                    |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
|  |  |  |  |  | 5           | 13,396             | 3.5       | 467         |                 |                    |            |                   |            |
| STATES- 21                                       |  |  |  |  | 5           | 13,396             | 3.5       | 467         | 19              | 14,739             | 507        |                   |            |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 1343-              | 40-        |                   |            |
| 1330261 .....                                    |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
|  |  |  |  |  | 5           | 19,106             | 3.8       | 722         |                 |                    |            |                   |            |
| STATES- 93                                       |  |  |  |  | 5           | 19,106             | 3.8       | 722         | 14              | 15,994             | 600        |                   |            |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 3112               | 122        |                   |            |
| 1330355 .....                                    |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
|  |  |  |  |  | 5           | 12,646             | 3.6       | 453         |                 |                    |            |                   |            |
| STATES- 35                                       |  |  |  |  | 5           | 12,646             | 3.6       | 453         | 4               | 13,053             | 450        |                   |            |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 407-               | 3          |                   |            |
| 1330357 WIS IMPROVER.....                        |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 07-29-58 1292880 4185273 17 NON-AI DAUGHTERS     |  |  |  |  | 18          | 12,689             | 3.8       | 483         |                 |                    |            |                   |            |
| LISTED, 03-64 17 WITH HERD-MATES                 |  |  |  |  | 18          | 12,689             | 3.8       | 483         | 34              | 13,825             | 514        |                   |            |
| STATES- 33,34,35                                 |  |  |  |  |             |                    |           |             | OIFF.           | 1136-              | 31-        |                   |            |
| 1330369 .....                                    |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
|  |  |  |  |  | 5           | 14,366             | 3.6       | 510         |                 |                    |            |                   |            |
| STATES- 21                                       |  |  |  |  | 5           | 14,366             | 3.6       | 510         | 21              | 14,404             | 531        |                   |            |
|  |  |  |  |  |             |                    |           |             | DIFF.           | 38-                | 21-        |                   |            |
| 1330394 FROGMORE ROYAL PRINCE - TWIN.....        |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 11-26-57 1261439 3795199 8 NON-AI DAUGHTERS      |  |  |  |  | 9           | 12,136             | 3.8       | 463         |                 |                    |            |                   |            |
| LISTED, 11-63 8 WITH HERD-MATES                  |  |  |  |  | 9           | 12,136             | 3.8       | 463         | 12              | 12,044             | 445        |                   |            |
| STATES- 21                                       |  |  |  |  |             |                    |           |             | OIFF.           | 92                 | 18         |                   |            |
| 1330433 .....                                    |  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
|  |  |  |  |  | 5           | 12,402             | 4.2       | 522         |                 |                    |            |                   |            |
| STATES- 15                                       |  |  |  |  | 5           | 12,402             | 4.2       | 522         | 26              | 14,331             | 535        |                   |            |
|  |  |  |  |  |             |                    |           |             | OIFF.           | 1929-              | 13-        |                   |            |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN                                   | AV. RECORDS | PRODUCTION MILK L8 | DF TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED AV. MILK L8 | AV. FAT L8 |
|--|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-----------------------|------------|
| 1330439 .....                              |             |                    |           |             |                 |                    |            |                       |            |
| STATES- 21                                 | 6           | NON-AI DAUGHTERS   | 7         | 13,978      | 3.8             | 535                |            |                       |            |
|  | 6           | WITH HERD-MATES    | 7         | 13,978      | 3.8             | 535                | 8          | 14,411                | 534        |
|  |             |                    |           |             |                 |                    | DIFF.      | 433-                  | 1          |
| 1330443 .....                              |             |                    |           |             |                 |                    |            |                       |            |
| STATES- 23                                 | 5           | NON-AI DAUGHTERS   | 5         | 13,674      | 3.6             | 494                |            |                       |            |
|  | 4           | WITH HERD-MATES    | 4         | 12,828      | 3.5             | 451                | 24         | 14,395                | 555        |
|  |             |                    |           |             |                 |                    | DIFF.      | 1567-                 | 104-       |
| 1330530 NOLLER WIS LEADER.....             |             |                    |           |             |                 |                    |            |                       |            |
| 12-05-56 915940 3304019                    | 23          | NON-AI DAUGHTERS   | 31        | 15,572      | 3.6             | 562                |            |                       |            |
| LISTED, 01-63                              | 23          | WITH HERD-MATES    | 31        | 15,572      | 3.6             | 562                | 5          | 14,214                | 522        |
| STATES- 33                                 |             |                    |           |             |                 |                    | DIFF.      | 1358                  | 40         |
| 1330612 .....                              |             |                    |           |             |                 |                    |            |                       |            |
| STATES- 56                                 | 6           | NON-AI DAUGHTERS   | 6         | 13,433      | 3.6             | 487                |            |                       |            |
|  | 6           | WITH HERD-MATES    | 6         | 13,433      | 3.6             | 487                | 40         | 12,514                | 474        |
|  |             |                    |           |             |                 |                    | DIFF.      | 919                   | 13         |
| 1330649 TABUR ROCKET JESS.....             |             |                    |           |             |                 |                    |            |                       |            |
| 08-23-58 1285716 4293803                   | 16          | NON-AI DAUGHTERS   | 19        | 15,016      | 3.5             | 520                |            |                       |            |
| LISTED, 03-64                              | 16          | WITH HERD-MATES    | 19        | 15,016      | 3.5             | 520                | 12         | 13,759                | 519        |
| STATES- 43                                 |             |                    |           |             |                 |                    | DIFF.      | 1257                  | 1          |
| 1330652 SHANGHIGH EXEC COMMANDER.....      |             |                    |           |             |                 |                    |            |                       |            |
| 01-19-58 1090258 3236099                   | 65          | AI DAUGHTERS-25*   | 67        | 13,952      | 3.6             | 507                |            |                       |            |
| AI STUD, 31-02 LISTED, 05-64               | 63          | WITH HERD-MATES    | 65        | 14,100      | 3.6             | 514                | 27         | 13,488                | 485        |
| STATES- 31,43,47,55,56                     |             |                    |           |             |                 |                    | DIFF.      | 612                   | 29         |
| 1330656 WHIRLHILL NERD.....                |             |                    |           |             |                 |                    |            |                       |            |
| 05-25-58 1232399 4227776                   | 14          | NON-AI DAUGHTERS   | 17        | 12,096      | 3.6             | 433                |            |                       |            |
| LISTED, 03-64                              | 14          | WITH HERD-MATES    | 17        | 12,096      | 3.6             | 433                | 11         | 12,609                | 427        |
| STATES- 46                                 |             |                    |           |             |                 |                    | DIFF.      | 513-                  | 6          |
| 1330681 SHAWS SCHOOLMASTER CRETE UNA.....  |             |                    |           |             |                 |                    |            |                       |            |
| 04-22-58 1181068 3037363                   | 209         | AI DAUGHTERS-25*   | 221       | 12,481      | 3.8             | 478                |            |                       |            |
| AI STUD, 51-02 LISTED, 05-64               | 207         | WITH HERD-MATES    | 219       | 12,501      | 3.8             | 479                | 21         | 12,807                | 475        |
| STATES- 21,23,50,51,52,54,55,61            |             |                    |           |             |                 |                    | DIFF.      | 306-                  | 4          |
|  | 1           | NON-AI DAUGHTERS   | 1         | 12,290      | 3.8             | 463                |            |                       |            |
|  | 1           | WITH HERD-MATES    | 1         | 12,290      | 3.8             | 463                | 18         | 13,739                | 523        |
|  |             |                    |           |             |                 |                    | DIFF.      | 1449-                 | 60-        |
| 1330682 SHAWS SCHOOLMASTER RDYAL.....      |             |                    |           |             |                 |                    |            |                       |            |
| 05-09-58 1181068 2453365                   | 13          | NON-AI DAUGHTERS   | 13        | 11,808      | 3.5             | 413                |            |                       |            |
| LISTED, 03-64                              | 13          | WITH HERD-MATES    | 13        | 11,808      | 3.5             | 413                | 25         | 13,809                | 481        |
| STATES- 21                                 |             |                    |           |             |                 |                    | DIFF.      | 2001-                 | 68-        |
| 1330683 SHAWS SCHOOLMASTER TIOY GOLD.....  |             |                    |           |             |                 |                    |            |                       |            |
| 05-10-58 1181068 2752715                   | 171         | AI DAUGHTERS-25*   | 183       | 14,069      | 3.6             | 503                |            |                       |            |
| AI STUD, 21-01 LISTED, 05-64               | 171         | WITH HERD-MATES    | 183       | 14,069      | 3.6             | 503                | 22         | 14,290                | 518        |
| STATES- 13,16,21,23                        |             |                    |           |             |                 |                    | DIFF.      | 221-                  | 15-        |
| 1330701 .....                              |             |                    |           |             |                 |                    |            |                       |            |
| AI STUD, 35-05                             | 6           | NON-AI DAUGHTERS   | 6         | 16,057      | 3.3             | 532                |            |                       |            |
| STATES- 33,57                              | 6           | WITH HERD-MATES    | 6         | 16,057      | 3.3             | 532                | 17         | 14,010                | 515        |
|  |             |                    |           |             |                 |                    | DIFF.      | 2047                  | 17         |
| 1330709 .....                              |             |                    |           |             |                 |                    |            |                       |            |
| STATES- 32                                 | 6           | NON-AI DAUGHTERS   | 6         | 15,143      | 3.6             | 543                |            |                       |            |
|  | 6           | WITH HERD-MATES    | 6         | 15,143      | 3.6             | 543                | 8          | 15,139                | 579        |
|  |             |                    |           |             |                 |                    | DIFF.      | 4                     | 36-        |
| 1330745 SWAROLAND BUDD FARM WOODY.....     |             |                    |           |             |                 |                    |            |                       |            |
| 02-20-57 1156515 4179871                   | 11          | NON-AI DAUGHTERS   | 13        | 14,447      | 3.7             | 530                |            |                       |            |
| LISTED, 05-64                              | 11          | WITH HERD-MATES    | 13        | 14,447      | 3.7             | 530                | 13         | 14,353                | 496        |
| STATES- 23,31                              |             |                    |           |             |                 |                    | DIFF.      | 94                    | 34         |
| 1330747 .....                              |             |                    |           |             |                 |                    |            |                       |            |
| STATES- 23                                 | 5           | NON-AI DAUGHTERS   | 5         | 12,096      | 3.8             | 454                |            |                       |            |
|  | 5           | WITH HERD-MATES    | 5         | 12,096      | 3.8             | 454                | 7          | 13,232                | 507        |
|  |             |                    |           |             |                 |                    | DIFF.      | 1136-                 | 53-        |
| 1330877 WAKEVIEW PAUL.....                 |             |                    |           |             |                 |                    |            |                       |            |
| 09-23-57 1087974 3611391                   | 10          | NON-AI DAUGHTERS   | 11        | 12,348      | 3.7             | 452                |            |                       |            |
| LISTED, 11-63                              | 10          | WITH HERD-MATES    | 11        | 12,348      | 3.7             | 452                | 40         | 12,462                | 447        |
| STATES- 55                                 |             |                    |           |             |                 |                    | DIFF.      | 114-                  | 5          |
| 1330880 STAR-HEI PEDRO GRAYKNOLE GLOW..... |             |                    |           |             |                 |                    |            |                       |            |
| 12-06-56 1264212 2871401                   | 8           | NON-AI DAUGHTERS   | 12        | 13,164      | 3.6             | 473                |            |                       |            |
| LISTED, 08-63                              | 8           | WITH HERD-MATES    | 12        | 13,164      | 3.6             | 473                | 16         | 11,854                | 426        |
| STATES- 35                                 |             |                    |           |             |                 |                    | DIFF.      | 1310                  | 47         |
| 1330887 MATILDA LEADER DUKE.....           |             |                    |           |             |                 |                    |            |                       |            |
| 04-23-58 1150470 3407777                   | 11          | NON-AI DAUGHTERS   | 11        | 12,362      | 3.4             | 416                |            |                       |            |
| LISTED, 05-64                              | 11          | WITH HERD-MATES    | 11        | 12,362      | 3.4             | 416                | 35         | 11,943                | 420        |
| STATES- 91                                 |             |                    |           |             |                 |                    | DIFF.      | 419                   | 4-         |
| 1330918 B D I PAULBUAL OLIVER.....         |             |                    |           |             |                 |                    |            |                       |            |
| 05-19-58 1087974 3865938                   | 20          | NON-AI DAUGHTERS   | 21        | 15,566      | 3.5             | 546                |            |                       |            |
| LISTED, 03-64                              | 20          | WITH HERD-MATES    | 21        | 15,566      | 3.5             | 546                | 25         | 15,927                | 587        |
| STATES- 52                                 |             |                    |           |             |                 |                    | DIFF.      | 361-                  | 41-        |
| 1330920 B O I PAULAUGOV LANCE.....         |             |                    |           |             |                 |                    |            |                       |            |
| 05-21-58 1087974 3219385                   | 16          | NON-AI DAUGHTERS   | 18        | 14,407      | 3.4             | 493                |            |                       |            |
| LISTED, 11-63                              | 16          | WITH HERD-MATES    | 18        | 14,407      | 3.4             | 493                | 45         | 13,757                | 486        |
| STATES- 23                                 |             |                    |           |             |                 |                    | DIFF.      | 650                   | 7          |
| 1330921 .....                              |             |                    |           |             |                 |                    |            |                       |            |
| STATES- 23                                 | 6           | NON-AI DAUGHTERS   | 6         | 12,430      | 3.6             | 447                |            |                       |            |
|  | 6           | WITH HERD-MATES    | 6         | 12,430      | 3.6             | 447                | 15         | 13,399                | 483        |
|  |             |                    |           |             |                 |                    | DIFF.      | 969-                  | 36-        |



| SIRE OF DAIRY DAUGHTERS                                    |                                     |                  |     | AV.              | PRODUCTION | DF     | DAU. | AOJ.   | HERO-MATES | AV.    | PREDICTED AV. |        |
|--|-------------------------------------|------------------|-----|------------------|------------|--------|------|--------|------------|--------|---------------|--------|
| HDLSTEIN   |                                     |                  |     | RECOROS          | MILK       | TEST   | FAT  | AV.    | MILK       | FAT    | MILK          | FAT    |
|  |                                     |                  |     | NUMBER           | L8         | %      | L8   | NUMBER | L8         | L8     | L8            | L8     |
| 1330971  | .....                               |                  |     |                  |            |        |      |        |            |        |               |        |
| STATES- 43   | 5                                   | NON-AI DAUGHTERS | 8   | 12,387           | 3.6        | 447    |      |        |            |        |               |        |
|  | 5                                   | WITH HERD-MATES  | 8   | 12,387           | 3.6        | 447    |      | 15     | 11,021     | 382    |               |        |
|  |                                     |                  |     |                  |            |        |      | OIFF.  | 1366       | 65     |               |        |
| 1330981  | SKDKIE REGENT DUKE.....             |                  |     |                  |            |        |      |        |            |        |               |        |
| 06-22-58   | 1288610                             | 3235817          | 47  | AI DAUGHTERS-25* | 50         | 14,720 | 3.8  | 554    |            |        |               |        |
| AI STUD, 23-07   | LISTED, 03-64                       |                  | 47  | WITH HERD-MATES  | 50         | 14,720 | 3.8  | 554    | 17         | 13,778 | 516           | 13,319 |
| STATES- 23   |                                     |                  |     |                  |            |        |      |        | DIFF.      | 942    | 38            | 490    |
|  | 1                                   | NDN-AI DAUGHTERS | 1   | 9,900            | 3.7        | 362    |      |        |            |        |               |        |
|  | 1                                   | WITH HERD-MATES  | 1   | 9,900            | 3.7        | 362    |      | 8      | 11,213     | 391    |               |        |
|  |                                     |                  |     |                  |            |        |      | DIFF.  | 1313-      | 29-    |               |        |
| 1331007  | WAL-EL MONTVIC OANDY CURTISS.....   |                  |     |                  |            |        |      |        |            |        |               |        |
| 02-11-58   | 1054406                             | 3618426          | 6   | NDN-AI DAUGHTERS | 6          | 12,898 | 3.5  | 452    |            |        |               |        |
|  | LISTED, 05-64                       |                  | 6   | WITH HERD-MATES  | 6          | 12,898 | 3.5  | 452    | 12         | 13,207 | 467           |        |
| STATES- 35   |                                     |                  |     |                  |            |        |      | OIFF.  | 309-       | 15-    |               |        |
| 1331029  | GENERAL AVDNCRAFT ROBURKE.....      |                  |     |                  |            |        |      |        |            |        |               |        |
| 07-25-58   | 1024453                             | 3732696          | 6   | NON-AI DAUGHTERS | 6          | 15,548 | 3.4  | 528    |            |        |               |        |
|  | LISTED, 05-64                       |                  | 6   | WITH HERD-MATES  | 6          | 15,548 | 3.4  | 528    | 12         | 13,896 | 542           |        |
| STATES- 41   |                                     |                  |     |                  |            |        |      | OIFF.  | 1652       | 14-    |               |        |
| 1331031  | .....                               |                  |     |                  |            |        |      |        |            |        |               |        |
| STATES- 43   | 6                                   | NDN-AI DAUGHTERS | 8   | 9,452            | 3.8        | 358    |      |        |            |        |               |        |
|  | 6                                   | WITH HERD-MATES  | 8   | 9,452            | 3.8        | 358    |      | 30     | 11,211     | 404    |               |        |
|  |                                     |                  |     |                  |            |        |      | OIFF.  | 1759-      | 46-    |               |        |
| 1331138  | KNEEDMORE PABST RAVEN JUDE.....     |                  |     |                  |            |        |      |        |            |        |               |        |
| 07-09-58   | 1207531                             | 3392591          | 11  | NON-AI DAUGHTERS | 12         | 12,876 | 3.8  | 488    |            |        |               |        |
|  | LISTED, 03-64                       |                  | 11  | WITH HERD-MATES  | 12         | 12,876 | 3.8  | 488    | 30         | 14,180 | 508           |        |
| STATES- 34   |                                     |                  |     |                  |            |        |      | OIFF.  | 1304-      | 20-    |               |        |
| 1331216  | FARMINGTON BURKE FDNOA LAO.....     |                  |     |                  |            |        |      |        |            |        |               |        |
| 07-22-57   | 1038983                             | 2828613          | 6   | NON-AI DAUGHTERS | 8          | 10,428 | 3.6  | 373    |            |        |               |        |
|  | LISTED, 05-64                       |                  | 6   | WITH HERD-MATES  | 8          | 10,428 | 3.6  | 373    | 22         | 12,281 | 430           |        |
| STATES- 33,43  |                                     |                  |     |                  |            |        |      | OIFF.  | 1853-      | 57-    |               |        |
| 1331226  | UNH OAWN FASHIDN.....               |                  |     |                  |            |        |      |        |            |        |               |        |
| 07-24-58   | 1038118                             | 4196202          | 8   | NON-AI DAUGHTERS | 8          | 12,404 | 3.5  | 440    |            |        |               |        |
|  | LISTED, 11-63                       |                  | 8   | WITH HERD-MATES  | 8          | 12,404 | 3.5  | 440    | 16         | 13,394 | 450           |        |
| STATES- 21   |                                     |                  |     |                  |            |        |      | OIFF.  | 990-       | 10-    |               |        |
| 1331227  | UNH GDLDEN REVELLER - TWIN.....     |                  |     |                  |            |        |      |        |            |        |               |        |
| 08-10-58   | 1181068                             | 2874989          | 241 | AI DAUGHTERS-25* | 243        | 13,270 | 3.8  | 498    |            |        |               |        |
| AI STUD, 23-05   | LISTED, 05-64                       |                  | 240 | WITH HERD-MATES  | 242        | 13,278 | 3.8  | 498    | 16         | 13,794 | 523           | 12,106 |
| STATES- 21,23,54   |                                     |                  |     |                  |            |        |      |        | DIFF.      | 516-   | 25-           | 438    |
|  | 2                                   | NON-AI DAUGHTERS | 2   | 16,430           | 3.5        | 577    |      |        |            |        |               |        |
|  | 2                                   | WITH HERD-MATES  | 2   | 16,430           | 3.5        | 577    |      | 15     | 15,490     | 563    |               |        |
|  |                                     |                  |     |                  |            |        |      | OIFF.  | 940        | 14     |               |        |
| 1331228  | UNH GDLOEN REVELATIDN - TWIN.....   |                  |     |                  |            |        |      |        |            |        |               |        |
| 08-10-58   | 1181068                             | 2874989          | 40  | AI DAUGHTERS-23  | 40         | 11,660 | 3.7  | 432    |            |        |               |        |
| AI STUD, 12-03   | LISTED, 03-64                       |                  | 38  | WITH HERD-MATES  | 38         | 11,703 | 3.7  | 436    | 17         | 12,557 | 475           | 11,829 |
| STATES- 11,12,13,16  |                                     |                  |     |                  |            |        |      |        | DIFF.      | 854-   | 39-           | 427    |
|  | 14                                  | NON-AI DAUGHTERS | 15  | 13,085           | 3.6        | 475    |      |        |            |        |               |        |
|  | 14                                  | WITH HERD-MATES  | 14  | 13,127           | 3.6        | 474    |      | 15     | 13,447     | 507    |               |        |
|  |                                     |                  |     |                  |            |        |      | OIFF.  | 320-       | 33-    |               |        |
| 1331369  | .....                               |                  |     |                  |            |        |      |        |            |        |               |        |
| STATES- 16   | 6                                   | NON-AI DAUGHTERS | 6   | 12,603           | 3.6        | 458    |      |        |            |        |               |        |
|  | 6                                   | WITH HERD-MATES  | 6   | 12,603           | 3.6        | 458    |      | 21     | 14,210     | 557    |               |        |
|  |                                     |                  |     |                  |            |        |      | OIFF.  | 1607-      | 99-    |               |        |
| 1331411  | CARLINS HILLTOP FONO REMAS.....     |                  |     |                  |            |        |      |        |            |        |               |        |
| 02-16-58   | 1243697                             | 3140475          | 13  | NDN-AI DAUGHTERS | 13         | 12,228 | 3.8  | 465    |            |        |               |        |
|  | LISTED, 05-64                       |                  | 12  | WITH HERD-MATES  | 12         | 12,202 | 3.8  | 463    | 12         | 13,049 | 484           |        |
| STATES- 48   |                                     |                  |     |                  |            |        |      | OIFF.  | 847-       | 21-    |               |        |
| 1331428  | KING ORMSBY DSBORNDALÉ.....         |                  |     |                  |            |        |      |        |            |        |               |        |
| 01-28-58   | 934577                              | 2475925          | 53  | AI DAUGHTERS-25* | 54         | 14,190 | 3.7  | 526    |            |        |               |        |
| AI STUD, 33-03   | LISTED, 05-64                       |                  | 52  | WITH HERD-MATES  | 53         | 14,224 | 3.7  | 528    | 15         | 13,666 | 501           | 13,019 |
| STATES- 13,14,15,16,21,23,31,32,33,34,35,41,42,48,51,52,71 |                                     |                  |     |                  |            |        |      |        | OIFF.      | 558    | 27            | 481    |
| 1331433  | WELLSCD ORMSBY LOCHINVAR F08ES..... |                  |     |                  |            |        |      |        |            |        |               |        |
| 07-05-58   | 934577                              | 2839985          | 7   | NON-AI DAUGHTERS | 7          | 15,500 | 3.7  | 566    |            |        |               |        |
|  | LISTED, 05-64                       |                  | 7   | WITH HERD-MATES  | 7          | 15,500 | 3.7  | 566    | 27         | 14,350 | 538           |        |
| STATES- 16   |                                     |                  |     |                  |            |        |      | OIFF.  | 1150       | 28     |               |        |
| 1331434  | .....                               |                  |     |                  |            |        |      |        |            |        |               |        |
| STATES- 16   | 5                                   | NDN-AI DAUGHTERS | 5   | 14,620           | 3.6        | 522    |      |        |            |        |               |        |
|  | 5                                   | WITH HERD-MATES  | 5   | 14,620           | 3.6        | 522    |      | 24     | 13,431     | 510    |               |        |
|  |                                     |                  |     |                  |            |        |      | OIFF.  | 1189       | 12     |               |        |
| 1331443  | MERIDALE BURCAR ORMSBY LOTTIE.....  |                  |     |                  |            |        |      |        |            |        |               |        |
| 07-12-58   | 1140763                             | 3366738          | 13  | NON-AI DAUGHTERS | 14         | 13,480 | 3.4  | 458    |            |        |               |        |
|  | LISTED, 11-63                       |                  | 13  | WITH HERD-MATES  | 14         | 13,480 | 3.4  | 458    | 29         | 13,308 | 479           |        |
| STATES- 21   |                                     |                  |     |                  |            |        |      | OIFF.  | 172        | 21-    |               |        |
| 1331460  | OELI ECHO PRINCE DUKE.....          |                  |     |                  |            |        |      |        |            |        |               |        |
| 07-19-58   | 1255841                             | 3378477          | 7   | NDN-AI DAUGHTERS | 7          | 16,234 | 3.4  | 560    |            |        |               |        |
|  | LISTED, 05-64                       |                  | 7   | WITH HERD-MATES  | 7          | 16,234 | 3.4  | 560    | 13         | 12,368 | 449           |        |
| STATES- 33   |                                     |                  |     |                  |            |        |      | DIFF.  | 3866       | 111    |               |        |
| 1331509  | THDNMYA CNDFIOENT.....              |                  |     |                  |            |        |      |        |            |        |               |        |
| 02-26-58   | 1013415                             | 3439972          | 23  | NON-AI DAUGHTERS | 23         | 17,343 | 3.5  | 605    |            |        |               |        |
|  | LISTED, 03-64                       |                  | 23  | WITH HERD-MATES  | 23         | 17,343 | 3.5  | 605    | 28         | 16,981 | 605           |        |
| STATES- 92   |                                     |                  |     |                  |            |        |      | OIFF.  | 362        |        |               |        |
| 1331510  | THONYMA IDEAL BURKE.....            |                  |     |                  |            |        |      |        |            |        |               |        |
| 04-10-58   | 1113350                             | 2616899          | 229 | AI DAUGHTERS-25* | 251        | 12,460 | 3.7  | 461    |            |        |               |        |
| AI STUD, 11-01   | LISTED, 05-64                       |                  | 224 | WITH HERD-MATES  | 244        | 12,501 | 3.7  | 462    | 16         | 13,447 | 508           | 11,674 |
| STATES- 11,12,14   |                                     |                  |     |                  |            |        |      |        | OIFF.      | 946-   | 46-           | 416    |

## SIRE OF DHIA DAUGHTERS

| SIRE'S OF DATA DAUGHTERS                        |                |         |        |        | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |         |        |
|---|----------------|---------|--------|--------|------------------------|---------------------|---------------|---------|--------|
| HDLSTEIN  | RECORDS NUMBER | MILK LB | TEST % | FAT LB | NUMBER                 | MILK LB             | FAT LB        | MILK LB | FAT LB |
| 1331533 8IG HILL HDMESTAD PRINCE.....           |                |         |        |        |                        |                     |               |         |        |
| 11-02-57 1175561 4075650 21 NDN-AI DAUGHTERS    | 25             | 12,648  | 3.8    | 480    |                        |                     |               |         |        |
| LISTED, 11-63 20 WITH HERD-MATES                | 24             | 12,959  | 3.8    | 491    |                        |                     |               |         |        |
| STATES- 35                                      |                |         |        |        | 20                     | 12,244              | 451           |         |        |
|   |                |         |        |        | DIFF.                  | 715                 | 40            |         |        |
| 1331551 ELMER 8RDDK TRIUMPH HDMESTAD.....       |                |         |        |        |                        |                     |               |         |        |
| 05-11-58 1088846 3845382 10 NDN-AI DAUGHTERS    | 10             | 13,899  | 3.8    | 525    |                        |                     |               |         |        |
| LISTED, 05-64 9 WITH HERD-MATES                 | 9              | 13,860  | 3.8    | 523    |                        |                     |               |         |        |
| STATES- 33,35,42                                |                |         |        |        | 9                      | 14,066              | 522           |         |        |
|   |                |         |        |        | DIFF.                  | 206-                | 1             |         |        |
| 1331569 LANGVIEW SDVEREIGN PDSCH.....           |                |         |        |        |                        |                     |               |         |        |
| 12-04-56 010171004 011026103 8 NDN-AI DAUGHTERS | 14             | 14,688  | 4.1    | 596    |                        |                     |               |         |        |
| LISTED, 11-63 8 WITH HERD-MATES                 | 14             | 14,688  | 4.1    | 596    |                        |                     |               |         |        |
| STATES- 91                                      |                |         |        |        | 7                      | 14,077              | 564           |         |        |
|   |                |         |        |        | DIFF.                  | 611                 | 32            |         |        |
| 1331679 .....                                   |                |         |        |        |                        |                     |               |         |        |
| STATES- 31                                      | 6              | 13,998  | 3.5    | 487    |                        |                     |               |         |        |
|   | 6              | 13,998  | 3.5    | 487    |                        |                     |               |         |        |
|   |                |         |        |        | 7                      | 12,696              | 450           |         |        |
|   |                |         |        |        | DIFF.                  | 1302                | 37            |         |        |
| 1331680 ALTURA RD8ESS LILLIAN REX - TWIN.....   |                |         |        |        |                        |                     |               |         |        |
| 05-14-57 1212911 3329454 9 NDN-AI DAUGHTERS     | 9              | 12,109  | 3.7    | 449    |                        |                     |               |         |        |
| LISTED, 03-64 9 WITH HERD-MATES                 | 9              | 12,109  | 3.7    | 449    |                        |                     |               |         |        |
| STATES- 35                                      |                |         |        |        | 11                     | 12,061              | 436           |         |        |
|   |                |         |        |        | DIFF.                  | 48                  | 13            |         |        |
| 1331848 .....                                   |                |         |        |        |                        |                     |               |         |        |
| STATES- 48                                      | 11             | 16,133  | 3.8    | 609    |                        |                     |               |         |        |
|   | 11             | 16,133  | 3.8    | 609    |                        |                     |               |         |        |
|   |                |         |        |        | 17                     | 13,322              | 468           |         |        |
|   |                |         |        |        | DIFF.                  | 2811                | 141           |         |        |
| 1331869 .....                                   |                |         |        |        |                        |                     |               |         |        |
| STATES- 13                                      | 5              | 15,296  | 3.3    | 500    |                        |                     |               |         |        |
|   | 5              | 15,296  | 3.3    | 500    |                        |                     |               |         |        |
|   |                |         |        |        | 9                      | 13,768              | 492           |         |        |
|   |                |         |        |        | DIFF.                  | 1528                | 8             |         |        |
| 1331945 .....                                   |                |         |        |        |                        |                     |               |         |        |
| STATES- 51                                      | 9              | 14,986  | 3.6    | 534    |                        |                     |               |         |        |
|   | 9              | 14,986  | 3.6    | 534    |                        |                     |               |         |        |
|   |                |         |        |        | 13                     | 13,730              | 514           |         |        |
|   |                |         |        |        | DIFF.                  | 1256                | 20            |         |        |
| 1331950 HAWKEYE WIS 8 I SUPREME.....            |                |         |        |        |                        |                     |               |         |        |
| 01-08-58 1013415 2542139 71 AI DAUGHTERS-25*    | 80             | 12,284  | 3.6    | 447    |                        |                     |               |         |        |
| AI STUD, 41-25 LISTED, 05-64 69 WITH HERD-MATES | 78             | 12,402  | 3.6    | 451    |                        |                     |               |         |        |
| STATES- 42,47                                   |                |         |        |        | 23                     | 13,307              | 480           | 11,773  | 432    |
|   |                |         |        |        | DIFF.                  | 905-                | 29-           |         |        |
| 1331974 LYDN 8RDDK WALLIE CAPPER.....           |                |         |        |        |                        |                     |               |         |        |
| 01-03-58 1190632 4182218 13 NDN-AI DAUGHTERS    | 16             | 14,776  | 3.6    | 538    |                        |                     |               |         |        |
| LISTED, 08-63 13 WITH HERD-MATES                | 16             | 14,776  | 3.6    | 538    |                        |                     |               |         |        |
| STATES- 31                                      |                |         |        |        | 9                      | 13,317              | 492           |         |        |
|   |                |         |        |        | DIFF.                  | 1459                | 46            |         |        |
| 1332000 .....                                   |                |         |        |        |                        |                     |               |         |        |
| STATES- 41                                      | 13             | 12,315  | 3.8    | 466    |                        |                     |               |         |        |
|   | 13             | 12,315  | 3.8    | 466    |                        |                     |               |         |        |
|   |                |         |        |        | 14                     | 12,318              | 453           |         |        |
|   |                |         |        |        | DIFF.                  | 3-                  | 13            |         |        |
| 1332045 MAPLE LANE FAITH RDBURKE.....           |                |         |        |        |                        |                     |               |         |        |
| 01-25-57 1024453 3896948 20 NDN-AI DAUGHTERS    | 27             | 13,773  | 3.8    | 529    |                        |                     |               |         |        |
| LISTED, 03-64 19 WITH HERD-MATES                | 26             | 13,786  | 3.8    | 528    |                        |                     |               |         |        |
| STATES- 41                                      |                |         |        |        | 12                     | 14,963              | 584           |         |        |
|   |                |         |        |        | DIFF.                  | 1177-               | 56-           |         |        |
| 1332076 .....                                   |                |         |        |        |                        |                     |               |         |        |
| STATES- 21,51,55                                | 7              | 13,433  | 3.6    | 481    |                        |                     |               |         |        |
|   | 7              | 13,433  | 3.6    | 481    |                        |                     |               |         |        |
|   |                |         |        |        | 19                     | 13,094              | 462           |         |        |
|   |                |         |        |        | DIFF.                  | 339                 | 19            |         |        |
| 1332101 RIVER VALLEY T N PRINCE.....            |                |         |        |        |                        |                     |               |         |        |
| 07-05-58 1264035 3089912 10 NDN-AI DAUGHTERS    | 10             | 17,588  | 3.5    | 620    |                        |                     |               |         |        |
| LISTED, 05-64 10 WITH HERD-MATES                | 10             | 17,588  | 3.5    | 620    |                        |                     |               |         |        |
| STATES- 35,74                                   |                |         |        |        | 7                      | 16,028              | 603           |         |        |
|   |                |         |        |        | DIFF.                  | 1560                | 17            |         |        |
| 1332114 .....                                   |                |         |        |        |                        |                     |               |         |        |
| STATES- 31                                      | 6              | 9,338   | 3.3    | 305    |                        |                     |               |         |        |
|   | 6              | 9,338   | 3.3    | 305    |                        |                     |               |         |        |
|   |                |         |        |        | 6                      | 11,117              | 369           |         |        |
|   |                |         |        |        | DIFF.                  | 1779-               | 64-           |         |        |
| 1332174 WILD ROSE WINTERTHUR PRINCE.....        |                |         |        |        |                        |                     |               |         |        |
| 09-10-58 1130231 3553146 27 NDN-AI DAUGHTERS    | 29             | 12,137  | 3.5    | 429    |                        |                     |               |         |        |
| LISTED, 03-64 27 WITH HERD-MATES                | 29             | 12,137  | 3.5    | 429    |                        |                     |               |         |        |
| STATES- 21                                      |                |         |        |        | 10                     | 12,444              | 459           |         |        |
|   |                |         |        |        | DIFF.                  | 307-                | 30-           |         |        |
| 1332181 .....                                   |                |         |        |        |                        |                     |               |         |        |
| STATES- 21                                      | 5              | 12,161  | 4.1    | 496    |                        |                     |               |         |        |
|   | 5              | 12,161  | 4.1    | 496    |                        |                     |               |         |        |
|   |                |         |        |        | 26                     | 11,501              | 423           |         |        |
|   |                |         |        |        | DIFF.                  | 660                 | 73            |         |        |
| 1332208 .....                                   |                |         |        |        |                        |                     |               |         |        |
| STATES- 41                                      | 6              | 14,055  | 3.7    | 526    |                        |                     |               |         |        |
|   | 6              | 14,055  | 3.7    | 526    |                        |                     |               |         |        |
|   |                |         |        |        | 18                     | 15,097              | 592           |         |        |
|   |                |         |        |        | DIFF.                  | 1042-               | 66-           |         |        |
| 1332243 GREEN ACRES CROWN PRINCE.....           |                |         |        |        |                        |                     |               |         |        |
| 12-13-56 1111075 3642964 10 NDN-AI DAUGHTERS    | 14             | 11,931  | 3.8    | 456    |                        |                     |               |         |        |
| LISTED, 08-63 10 WITH HERD-MATES                | 14             | 11,931  | 3.8    | 456    |                        |                     |               |         |        |
| STATES- 32                                      |                |         |        |        | 13                     | 11,773              | 447           |         |        |
|   |                |         |        |        | DIFF.                  | 158                 | 9             |         |        |
| 1332274 .....                                   |                |         |        |        |                        |                     |               |         |        |
| STATES- 35                                      | 7              | 11,560  | 3.7    | 429    |                        |                     |               |         |        |
|   | 7              | 11,560  | 3.7    | 429    |                        |                     |               |         |        |
|   |                |         |        |        | 26                     | 12,224              | 464           |         |        |
|   |                |         |        |        | DIFF.                  | 664-                | 35-           |         |        |
| 1332340 VALENTINE CAPTIVATE.....                |                |         |        |        |                        |                     |               |         |        |
| 08-28-58 1243141 3874857 10 NDN-AI DAUGHTERS    | 10             | 12,623  | 3.8    | 485    |                        |                     |               |         |        |
| LISTED, 05-64 10 WITH HERD-MATES                | 10             | 12,623  | 3.8    | 485    |                        |                     |               |         |        |
| STATES- 84                                      |                |         |        |        | 11                     | 11,929              | 449           |         |        |
|   |                |         |        |        | DIFF.                  | 694                 | 36            |         |        |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN                  |  |    |                  | AV. RECORDS | PRODUCTION MILK L8 | OF TEST % | DAU. FAT L8 | ADJ. AV. MILK L8 | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|---------------------------|--|----|------------------|-------------|--------------------|-----------|-------------|------------------|--------------------|------------|-------------------|------------|
| 1332357                   | .....                                    | 6  | NON-AI DAUGHTERS | 8           | 9,423              | 3.7       | 345         |                  |                    |            |                   |            |
| STATES- 23                |  | 6  | WITH HERD-MATES  | 8           | 9,423              | 3.7       | 345         | 5                | 10,731             | 379        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 1308-              | 34-        |                   |            |
| 1332394                   | CAREY PERFECTION PDLYTECHNIC - TWIN..... |    |                  |             |                    |           |             |                  |                    |            |                   |            |
| 02-20-58                  | 1106455 3767310                          | 14 | NON-AI DAUGHTERS | 19          | 13,640             | 4.0       | 546         | 10               | 12,471             | 461        |                   |            |
| STATES- 48                | LISTED, 11-63                            | 14 | WITH HERD-MATES  | 19          | 13,640             | 4.0       | 546         | DIFF.            | 1169               | 85         |                   |            |
| 1332395                   | .....                                    | 10 | NDN-AI DAUGHTERS | 10          | 10,338             | 3.7       | 384         |                  |                    |            |                   |            |
| STATES- 48                |  | 9  | WITH HERD-MATES  | 9           | 9,841              | 3.8       | 375         | 11               | 11,669             | 431        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 1828-              | 56-        |                   |            |
| 1332474                   | .....                                    | 5  | NDN-AI DAUGHTERS | 5           | 16,018             | 3.0       | 484         |                  |                    |            |                   |            |
| STATES- 31                |  | 5  | WITH HERD-MATES  | 5           | 16,018             | 3.0       | 484         | 9                | 13,276             | 466        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 2742               | 18         |                   |            |
| 1332571                   | .....                                    | 6  | NON-AI DAUGHTERS | 6           | 12,987             | 3.8       | 493         |                  |                    |            |                   |            |
| STATES- 33,35             |  | 6  | WITH HERD-MATES  | 6           | 12,987             | 3.8       | 493         | 15               | 13,160             | 483        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 173-               | 10         |                   |            |
| 1332588                   | .....                                    | 8  | NDN-AI DAUGHTERS | 8           | 14,579             | 3.5       | 513         |                  |                    |            |                   |            |
| STATES- 32                |  | 8  | WITH HERD-MATES  | 8           | 14,579             | 3.5       | 513         | 5                | 12,864             | 478        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 1715               | 35         |                   |            |
| 1332637                   | SISSON FARMS LEADER.....                 |    |                  |             |                    |           |             |                  |                    |            |                   |            |
| 04-06-58                  | 915940 3389004                           | 37 | NDN-AI DAUGHTERS | 42          | 14,944             | 3.5       | 523         |                  |                    |            |                   |            |
| STATES- 21,22,23,51,55,57 | LISTED, 03-64                            | 37 | WITH HERD-MATES  | 42          | 14,944             | 3.5       | 523         | 22               | 14,564             | 526        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 380                | 3-         |                   |            |
| 1332698                   | HEWFIELD'S STAR COLDNEL - TWIN.....      |    |                  |             |                    |           |             |                  |                    |            |                   |            |
| 08-31-57                  | 1260708 4256263                          | 22 | NDN-AI DAUGHTERS | 28          | 10,285             | 3.6       | 368         |                  |                    |            |                   |            |
| STATES- 34                | LISTED, 03-64                            | 22 | WITH HERD-MATES  | 28          | 10,285             | 3.6       | 368         | 21               | 11,806             | 429        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 1521-              | 61-        |                   |            |
| 1332769                   | .....                                    | 5  | NON-AI DAUGHTERS | 6           | 13,034             | 3.5       | 455         |                  |                    |            |                   |            |
| STATES- 31                |  | 5  | WITH HERD-MATES  | 6           | 13,034             | 3.5       | 455         | 15               | 14,972             | 515        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 1938-              | 60-        |                   |            |
| 1332791                   | .....                                    | 6  | NDN-AI DAUGHTERS | 7           | 12,268             | 3.5       | 427         |                  |                    |            |                   |            |
| STATES- 48                |  | 5  | WITH HERD-MATES  | 6           | 12,137             | 3.4       | 415         | 7                | 12,891             | 472        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 754-               | 57-        |                   |            |
| 1332901                   | A S H FLINTSTONE.....                    |    |                  |             |                    |           |             |                  |                    |            |                   |            |
| 08-04-58                  | 976709 2691730                           | 8  | NDN-AI DAUGHTERS | 8           | 12,523             | 3.6       | 447         |                  |                    |            |                   |            |
| STATES- 11                | LISTED, 03-64                            | 8  | WITH HERD-MATES  | 8           | 12,523             | 3.6       | 447         | 34               | 13,302             | 485        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 779-               | 38-        |                   |            |
| 1332961                   | .....                                    | 5  | NDN-AI DAUGHTERS | 6           | 14,302             | 3.6       | 513         |                  |                    |            |                   |            |
| STATES- 23                |  | 5  | WITH HERD-MATES  | 6           | 14,302             | 3.6       | 513         | 20               | 13,791             | 524        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 511                | 11-        |                   |            |
| 1333061                   | .....                                    | 6  | NON-AI DAUGHTERS | 7           | 11,099             | 3.8       | 426         |                  |                    |            |                   |            |
| STATES- 14                |  | 6  | WITH HERD-MATES  | 7           | 11,099             | 3.8       | 426         | 29               | 13,131             | 492        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 2032-              | 66-        |                   |            |
| 1333155                   | .....                                    | 5  | NON-AI DAUGHTERS | 7           | 10,803             | 3.6       | 386         |                  |                    |            |                   |            |
| STATES- 34                |  | 5  | WITH HERD-MATES  | 7           | 10,803             | 3.6       | 386         | 3                | 10,144             | 376        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 659                | 10         |                   |            |
| 1333200                   | 8ROOK LANE ALL JULE CHIEF.....           |    |                  |             |                    |           |             |                  |                    |            |                   |            |
| 09-22-57                  | 1209439 4278135                          | 8  | NDN-AI DAUGHTERS | 9           | 10,700             | 3.3       | 358         |                  |                    |            |                   |            |
| STATES- 31,43,73          | LISTED, 03-64                            | 8  | WITH HERD-MATES  | 9           | 10,700             | 3.3       | 358         | 14               | 12,752             | 457        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 2052-              | 99-        |                   |            |
| 1333295                   | EAS-E-LEA CDPIA SUSSEX.....              |    |                  |             |                    |           |             |                  |                    |            |                   |            |
| 09-16-58                  | 1214567 4273988                          | 12 | NDN-AI DAUGHTERS | 13          | 14,436             | 3.5       | 503         |                  |                    |            |                   |            |
| STATES- 23                | LISTED, 03-64                            | 12 | WITH HERD-MATES  | 13          | 14,436             | 3.5       | 503         | 18               | 13,863             | 525        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 573                | 22-        |                   |            |
| 1333332                   | .....                                    | 5  | NDN-AI DAUGHTERS | 5           | 13,746             | 3.5       | 484         |                  |                    |            |                   |            |
| STATES- 21                |  | 5  | WITH HERD-MATES  | 5           | 13,746             | 3.5       | 484         | 18               | 14,536             | 524        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 790-               | 40-        |                   |            |
| 1333361                   | .....                                    | 5  | NDN-AI DAUGHTERS | 5           | 10,552             | 3.9       | 409         |                  |                    |            |                   |            |
| STATES- 16                |  | 5  | WITH HERD-MATES  | 5           | 10,552             | 3.9       | 409         | 29               | 14,067             | 552        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 3515-              | 143-       |                   |            |
| 1333509                   | ELDERLAND COLDNEL ZEUS.....              |    |                  |             |                    |           |             |                  |                    |            |                   |            |
| 03-26-57                  | 1035454 3884053                          | 9  | NON-AI DAUGHTERS | 12          | 11,186             | 3.9       | 440         |                  |                    |            |                   |            |
| STATES- 35                | LISTED, 11-63                            | 9  | WITH HERD-MATES  | 12          | 11,186             | 3.9       | 440         | 10               | 12,702             | 474        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 1516-              | 34-        |                   |            |
| 1333526                   | .....                                    | 11 | NDN-AI DAUGHTERS | 11          | 12,031             | 3.5       | 416         |                  |                    |            |                   |            |
| AI STUD, 33-02            |  | 11 | WITH HERD-MATES  | 11          | 12,031             | 3.5       | 416         | 20               | 13,925             | 508        |                   |            |
| STATES- 32,33,35,47,72    |  |    |                  |             |                    |           |             | DIFF.            | 1894-              | 92-        |                   |            |
| 1333532                   | CASH-MAR TRITDMIA JERRY.....             |    |                  |             |                    |           |             |                  |                    |            |                   |            |
| 07-18-58                  | 1138441 2914987                          | 9  | NON-AI DAUGHTERS | 9           | 14,460             | 3.4       | 495         |                  |                    |            |                   |            |
| STATES- 32                | LISTED, 11-63                            | 8  | WITH HERD-MATES  | 8           | 14,018             | 3.4       | 478         | 13               | 14,777             | 521        |                   |            |
|                           |  |    |                  |             |                    |           |             | DIFF.            | 759-               | 43-        |                   |            |



## SIRE OF OHIA DAUGHTERS

| SIRES OF CHIA DAUGHTERS                         |  |  |  |  | AV. RECORDS | PRODUCTION OF DAU. |        |        | AOJ. AV. | HERO-MATES | AV.    | PREDICTED AV. |        |
|---|--|--|--|--|-------------|--------------------|--------|--------|----------|------------|--------|---------------|--------|
| HOLSTEIN  |  |  |  |  | NUMBER      | MILK L8            | TEST % | FAT L8 | NUMBER   | MILK L8    | FAT L8 | MILK L8       | FAT L8 |
| 1333535 CASH-MAR JERRY LESTER.....              |  |  |  |  |             |                    |        |        |          |            |        |               |        |
| 08-07-58 1138441 3875946 18 NON-AI DAUGHTERS    |  |  |  |  | 20          | 12,331             | 3.4    | 414    |          |            |        |               |        |
| LISTED, 03-64 18 WITH HERD-MATES                |  |  |  |  | 20          | 12,331             | 3.4    | 414    | 24       | 12,318     | 432    |               |        |
| STATES- 71                                      |  |  |  |  |             |                    |        |        | OIFF.    | 13         | 18-    |               |        |
| 1333601 ILLCLENE FOMES ADMIRAL.....             |  |  |  |  |             |                    |        |        |          |            |        |               |        |
| 06-05-58 1232963 3811218 8 NON-AI DAUGHTERS     |  |  |  |  | 10          | 14,278             | 3.4    | 480    |          |            |        |               |        |
| LISTED, 03-64 8 WITH HERD-MATES                 |  |  |  |  | 10          | 14,278             | 3.4    | 480    | 35       | 13,033     | 463    |               |        |
| STATES- 73                                      |  |  |  |  |             |                    |        |        | OIFF.    | 1245       | 17     |               |        |
| 1333602 .....                                   |  |  |  |  |             |                    |        |        |          |            |        |               |        |
|   |  |  |  |  | 5           | 13,746             | 3.5    | 481    |          |            |        |               |        |
| STATES- 73                                      |  |  |  |  | 5           | 13,746             | 3.5    | 481    | 37       | 13,268     | 468    |               |        |
|   |  |  |  |  |             |                    |        |        | OIFF.    | 478        | 13     |               |        |
| 1333641 PABST COMMANDER LEADER.....             |  |  |  |  |             |                    |        |        |          |            |        |               |        |
| 07-30-58 915940 3161323 32 AI DAUGHTERS-25*     |  |  |  |  | 32          | 13,402             | 3.8    | 504    |          |            |        |               |        |
| AI STUO, 33-03 LISTED, 05-64 32 WITH HERD-MATES |  |  |  |  | 32          | 13,402             | 3.8    | 504    | 13       | 13,339     | 490    | 12,579        | 467    |
| STATES- 14,21,23,31,32,33,34, 35,42,50,52       |  |  |  |  |             |                    |        |        | OIFF.    | 63         | 14     |               |        |
| 1333671 .....                                   |  |  |  |  |             |                    |        |        |          |            |        |               |        |
|   |  |  |  |  | 6           | 11,798             | 3.8    | 445    |          |            |        |               |        |
| STATES- 12,13                                   |  |  |  |  | 6           | 11,798             | 3.8    | 445    | 9        | 11,662     | 431    |               |        |
|   |  |  |  |  |             |                    |        |        | OIFF.    | 136        | 14     |               |        |
| 1333704 RICH-HERO TEXAL CHIEF.....              |  |  |  |  |             |                    |        |        |          |            |        |               |        |
| 03-03-58 1295307 4295148 16 NON-AI DAUGHTERS    |  |  |  |  | 17          | 16,986             | 3.3    | 555    |          |            |        |               |        |
| LISTED, 03-64 16 WITH HERD-MATES                |  |  |  |  | 17          | 16,986             | 3.3    | 555    | 16       | 17,644     | 616    |               |        |
| STATES- 84                                      |  |  |  |  |             |                    |        |        | OIFF.    | 658-       | 61-    |               |        |
| 1333705 RICH-HERO TEXAL OQU8LE.....             |  |  |  |  |             |                    |        |        |          |            |        |               |        |
| 07-23-58 1295307 4307922 24 NON-AI DAUGHTERS    |  |  |  |  | 28          | 16,329             | 4.0    | 645    |          |            |        |               |        |
| AI STUO, 41-25 LISTED, 03-64 24 WITH HERD-MATES |  |  |  |  | 28          | 16,329             | 4.0    | 645    | 32       | 15,544     | 557    |               |        |
| STATES- 47                                      |  |  |  |  |             |                    |        |        | OIFF.    | 785        | 88     |               |        |
| 1333706 RICH HERO TEXAL JO BURKE.....           |  |  |  |  |             |                    |        |        |          |            |        |               |        |
| 08-06-58 1295307 2733153 16 NON-AI DAUGHTERS    |  |  |  |  | 16          | 18,696             | 3.6    | 664    |          |            |        |               |        |
| LISTED, 05-64 16 WITH HERD-MATES                |  |  |  |  | 16          | 18,696             | 3.6    | 664    | 20       | 17,462     | 641    |               |        |
| STATES- 47                                      |  |  |  |  |             |                    |        |        | OIFF.    | 1234       | 23     |               |        |
| 1333853 HOKELANO PARTHENEZA ZELOENRUST.....     |  |  |  |  |             |                    |        |        |          |            |        |               |        |
| 01-01-57 1209327 3695623 17 NON-AI DAUGHTERS    |  |  |  |  | 22          | 12,068             | 3.5    | 418    |          |            |        |               |        |
| LISTED, 08-63 17 WITH HERD-MATES                |  |  |  |  | 22          | 12,068             | 3.5    | 418    | 21       | 13,215     | 464    |               |        |
| STATES- 32                                      |  |  |  |  |             |                    |        |        | OIFF.    | 1147-      | 46-    |               |        |
| 1333921 .....                                   |  |  |  |  |             |                    |        |        |          |            |        |               |        |
|   |  |  |  |  | 6           | 14,600             | 3.4    | 496    |          |            |        |               |        |
| STATES- 32                                      |  |  |  |  | 6           | 14,600             | 3.4    | 496    | 25       | 13,885     | 497    |               |        |
|   |  |  |  |  |             |                    |        |        | OIFF.    | 715        | 1-     |               |        |
| 1334000 SAN JOHO OUSTY MAGICIAN.....            |  |  |  |  |             |                    |        |        |          |            |        |               |        |
| 08-16-57 1138451 3198393 8 NON-AI DAUGHTERS     |  |  |  |  | 10          | 14,105             | 3.7    | 525    |          |            |        |               |        |
| LISTED, 11-63 8 WITH HERD-MATES                 |  |  |  |  | 10          | 14,105             | 3.7    | 525    | 44       | 15,171     | 550    |               |        |
| STATES- 93                                      |  |  |  |  |             |                    |        |        | OIFF.    | 1066-      | 25-    |               |        |
| 1334006 .....                                   |  |  |  |  |             |                    |        |        |          |            |        |               |        |
|   |  |  |  |  | 13          | 12,718             | 3.3    | 425    |          |            |        |               |        |
| STATES- 35                                      |  |  |  |  | 13          | 12,718             | 3.3    | 425    | 13       | 11,878     | 404    |               |        |
|   |  |  |  |  |             |                    |        |        | OIFF.    | 840        | 21     |               |        |
| 1334052 HENSON ZEUS ACHILLES.....               |  |  |  |  |             |                    |        |        |          |            |        |               |        |
| 09-07-57 1213164 3888406 8 NON-AI DAUGHTERS     |  |  |  |  | 9           | 15,612             | 3.8    | 595    |          |            |        |               |        |
| LISTED, 03-64 8 WITH HERD-MATES                 |  |  |  |  | 9           | 15,612             | 3.8    | 595    | 29       | 14,828     | 551    |               |        |
| STATES- 57                                      |  |  |  |  |             |                    |        |        | OIFF.    | 784        | 44     |               |        |
| 1334063 .....                                   |  |  |  |  |             |                    |        |        |          |            |        |               |        |
|   |  |  |  |  | 5           | 12,563             | 3.7    | 464    |          |            |        |               |        |
| STATES- 48,74                                   |  |  |  |  | 5           | 12,563             | 3.7    | 464    | 35       | 15,412     | 557    |               |        |
|   |  |  |  |  |             |                    |        |        | DIFF.    | 2849-      | 93-    |               |        |
| 1334064 ORMSBY HOME CONCENTRATE.....            |  |  |  |  |             |                    |        |        |          |            |        |               |        |
| 11-22-57 1305531 4067640 10 NON-AI DAUGHTERS    |  |  |  |  | 14          | 13,254             | 3.3    | 442    |          |            |        |               |        |
| LISTED, 08-63 10 WITH HERD-MATES                |  |  |  |  | 14          | 13,254             | 3.3    | 442    | 13       | 12,529     | 460    |               |        |
| STATES- 48                                      |  |  |  |  |             |                    |        |        | OIFF.    | 725        | 18-    |               |        |
| 1334155 .....                                   |  |  |  |  |             |                    |        |        |          |            |        |               |        |
|   |  |  |  |  | 8           | 15,529             | 3.9    | 604    |          |            |        |               |        |
| STATES- 31                                      |  |  |  |  | 8           | 15,529             | 3.9    | 604    | 20       | 14,291     | 543    |               |        |
|   |  |  |  |  |             |                    |        |        | OIFF.    | 1238       | 61     |               |        |
| 1334345 .....                                   |  |  |  |  |             |                    |        |        |          |            |        |               |        |
|   |  |  |  |  | 8           | 13,204             | 3.9    | 520    |          |            |        |               |        |
| STATES- 48                                      |  |  |  |  | 7           | 13,247             | 3.9    | 523    | 8        | 14,206     | 550    |               |        |
|   |  |  |  |  |             |                    |        |        | OIFF.    | 959-       | 27-    |               |        |
| 1334350 JALCO KING ARTHUR.....                  |  |  |  |  |             |                    |        |        |          |            |        |               |        |
| 12-02-57 1256570 3530905 12 NON-AI DAUGHTERS    |  |  |  |  | 12          | 13,926             | 3.7    | 509    |          |            |        |               |        |
| LISTED, 05-64 12 WITH HERD-MATES                |  |  |  |  | 12          | 13,926             | 3.7    | 509    | 7        | 12,679     | 479    |               |        |
| STATES- 35,42                                   |  |  |  |  |             |                    |        |        | OIFF.    | 1247       | 30     |               |        |
| 1334474 GARNHART INVINCIBLE JENNY.....          |  |  |  |  |             |                    |        |        |          |            |        |               |        |
| 03-22-58 1056882 3570647 18 NON-AI DAUGHTERS    |  |  |  |  | 19          | 12,806             | 3.7    | 474    |          |            |        |               |        |
| LISTED, 03-64 17 WITH HERD-MATES                |  |  |  |  | 18          | 13,413             | 3.7    | 495    | 17       | 12,001     | 429    |               |        |
| STATES- 33,41                                   |  |  |  |  |             |                    |        |        | OIFF.    | 1412       | 66     |               |        |
| 1334497 .....                                   |  |  |  |  |             |                    |        |        |          |            |        |               |        |
|   |  |  |  |  | 5           | 11,278             | 3.5    | 394    |          |            |        |               |        |
| STATES- 33,57                                   |  |  |  |  | 5           | 11,278             | 3.5    | 394    | 9        | 12,488     | 450    |               |        |
|   |  |  |  |  |             |                    |        |        | OIFF.    | 1210-      | 56-    |               |        |
| 1334584 .....                                   |  |  |  |  |             |                    |        |        |          |            |        |               |        |
|   |  |  |  |  | 5           | 12,728             | 3.6    | 457    |          |            |        |               |        |
| STATES- 43                                      |  |  |  |  | 5           | 12,728             | 3.6    | 457    | 9        | 11,717     | 422    |               |        |
|   |  |  |  |  |             |                    |        |        | OIFF.    | 1011       | 35     |               |        |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN                                    | AV. PRODUCTION OF | AV. MILK         | AV. FAT | AV. MILK | AV. FAT | AV. MILK | AV. FAT | AV. MILK | AV. FAT    |
|---|-------------------|------------------|---------|----------|---------|----------|---------|----------|------------|
|   | RECORDS           | TEST             | FAT     | NUMBER   | L8      | L8       | L8      | L8       | L8         |
| 1334605 .....                               | 6                 | NON-AI DAUGHTERS | 6       | 11,717   | 2.9     | 338      |         |          |            |
| STATES- 52                                  | 6                 | WITH HERD-MATES  | 6       | 11,717   | 2.9     | 338      | 98      | 12,583   | 408        |
|   |                   |                  |         |          |         |          | OIFF.   | 866-     | 70-        |
| 1334642 GRAY VIEW SKY NICOLET.....          | 36                | AI DAUGHTERS-19  | 38      | 14,396   | 3.7     | 537      |         |          |            |
| 06-10-58 1244845 3167997                    | 36                | WITH HERD-MATES  | 38      | 14,396   | 3.7     | 537      | 12      | 13,492   | 495        |
| AI STUO, 35-05 LISTED, 05-64                |                   |                  |         |          |         |          | OIFF.   | 904      | 42         |
| STATES- 33,35                               |                   |                  |         |          |         |          |         |          | 13,226 490 |
| 1334742 TRIUNA GDLOEN TRANSMITTER.....      | 9                 | NON-AI DAUGHTERS | 9       | 14,608   | 3.4     | 490      |         |          |            |
| D5-31-58 1173577 2730872                    | 9                 | WITH HERD-MATES  | 9       | 14,608   | 3.4     | 490      | 13      | 13,376   | 468        |
| LISTED, 05-64                               |                   |                  |         |          |         |          | OIFF.   | 1232     | 22         |
| STATES- 42                                  |                   |                  |         |          |         |          |         |          |            |
| 1334744 .....                               | 5                 | NON-AI DAUGHTERS | 5       | 14,124   | 3.8     | 539      |         |          |            |
| STATES- 11                                  | 5                 | WITH HERD-MATES  | 5       | 14,124   | 3.8     | 539      | 14      | 13,247   | 484        |
|   |                   |                  |         |          |         |          | OIFF.   | 877      | 55         |
| 1334746 .....                               | 7                 | NON-AI DAUGHTERS | 7       | 12,366   | 4.0     | 496      |         |          |            |
| STATES- 11                                  | 7                 | WITH HERD-MATES  | 7       | 12,366   | 4.0     | 496      | 25      | 13,629   | 517        |
|   |                   |                  |         |          |         |          | OIFF.   | 1263-    | 21-        |
| 1334851 HAMLET VIEW BURKE COLA NEPTUNE..... | 9                 | NON-AI DAUGHTERS | 10      | 12,169   | 3.6     | 433      |         |          |            |
| 12-12-57 910991 4252101                     | 8                 | WITH HERD-MATES  | 9       | 12,091   | 3.6     | 431      | 8       | 13,189   | 457        |
| LISTED, 03-64                               |                   |                  |         |          |         |          | OIFF.   | 1098-    | 26-        |
| STATES- 41                                  |                   |                  |         |          |         |          |         |          |            |
| 1334882 .....                               | 5                 | NON-AI DAUGHTERS | 5       | 12,808   | 3.6     | 456      |         |          |            |
| STATES- 22                                  | 5                 | WITH HERD-MATES  | 5       | 12,808   | 3.6     | 456      | 49      | 12,937   | 475        |
|   |                   |                  |         |          |         |          | OIFF.   | 129-     | 19-        |
| 1334961 .....                               | 10                | NON-AI DAUGHTERS | 10      | 11,013   | 3.6     | 396      |         |          |            |
| STATES- 42                                  | 10                | WITH HERD-MATES  | 10      | 11,013   | 3.6     | 396      | 5       | 12,340   | 442        |
|   |                   |                  |         |          |         |          | OIFF.   | 1327-    | 46-        |
| 1335004 .....                               | 11                | NON-AI DAUGHTERS | 11      | 14,380   | 3.8     | 544      |         |          |            |
| STATES- 82,91                               | 11                | WITH HERD-MATES  | 11      | 14,380   | 3.8     | 544      | 5       | 15,175   | 526        |
|   |                   |                  |         |          |         |          | OIFF.   | 795-     | 18         |
| 1335096 FAR HILLS 81M80 OF ALOER MEOOW..... | 10                | NON-AI DAUGHTERS | 11      | 11,768   | 3.6     | 428      |         |          |            |
| 01-24-55 1228930 3940013                    | 8                 | WITH HERD-MATES  | 8       | 11,004   | 3.6     | 401      | 3       | 12,460   | 461        |
| LISTED, 01-63                               |                   |                  |         |          |         |          | OIFF.   | 1456-    | 60-        |
| STATES- 92                                  |                   |                  |         |          |         |          |         |          |            |
| 1335115 ROG-ARO CARNATION CREEK ELMER.....  | 13                | NON-AI DAUGHTERS | 18      | 11,082   | 3.5     | 391      |         |          |            |
| D2-05-58 1111075 4215798                    | 13                | WITH HERD-MATES  | 18      | 11,082   | 3.5     | 391      | 7       | 11,092   | 414        |
| LISTED, 08-63                               |                   |                  |         |          |         |          | OIFF.   | 10-      | 23-        |
| STATES- 35                                  |                   |                  |         |          |         |          |         |          |            |
| 1335373 DAIRYLOU CAPPER CURTISS.....        | 16                | NON-AI DAUGHTERS | 21      | 10,013   | 3.7     | 367      |         |          |            |
| 11-20-56 1132993 3642220                    | 16                | WITH HERD-MATES  | 21      | 10,013   | 3.7     | 367      | 8       | 10,926   | 385        |
| LISTED, 11-63                               |                   |                  |         |          |         |          | OIFF.   | 913-     | 18-        |
| STATES- 52                                  |                   |                  |         |          |         |          |         |          |            |
| 1335374 .....                               | 5                 | NON-AI DAUGHTERS | 5       | 13,970   | 3.8     | 531      |         |          |            |
| STATES- 31                                  | 5                 | WITH HERD-MATES  | 5       | 13,970   | 3.8     | 531      | 14      | 15,423   | 572        |
|   |                   |                  |         |          |         |          | OIFF.   | 1453-    | 41-        |
| 1335542 .....                               | 6                 | NON-AI DAUGHTERS | 9       | 13,719   | 3.7     | 502      |         |          |            |
| STATES- 12                                  | 6                 | WITH HERD-MATES  | 8       | 13,893   | 3.6     | 506      | 8       | 14,116   | 525        |
|   |                   |                  |         |          |         |          | OIFF.   | 223-     | 19-        |
| 1335599 LIN LAR RAVEN MANOATE.....          | 12                | NON-AI DAUGHTERS | 13      | 11,451   | 4.2     | 477      |         |          |            |
| 07-01-58 1261422 2568397                    | 12                | WITH HERD-MATES  | 13      | 11,451   | 4.2     | 477      | 11      | 14,366   | 498        |
| LISTED, 03-64                               |                   |                  |         |          |         |          | OIFF.   | 2915-    | 21-        |
| STATES- 35                                  |                   |                  |         |          |         |          |         |          |            |
| 1335668 OAKOALE FARMS MASTER LEAOKER.....   | 9                 | NON-AI DAUGHTERS | 13      | 12,026   | 3.9     | 469      |         |          |            |
| 11-12-57 967010 3498158                     | 9                 | WITH HERD-MATES  | 13      | 12,026   | 3.9     | 469      | 26      | 12,109   | 443        |
| LISTED, 11-63                               |                   |                  |         |          |         |          | OIFF.   | 83-      | 26         |
| STATES- 51                                  |                   |                  |         |          |         |          |         |          |            |
| 1335721 VIGO COMRADE.....                   | 12                | NON-AI DAUGHTERS | 21      | 17,006   | 3.7     | 625      |         |          |            |
| 01-01-58 959466 3188406                     | 12                | WITH HERD-MATES  | 20      | 17,068   | 3.7     | 623      | 18      | 16,097   | 594        |
| AI STUO, 35-02 LISTED, 11-63                |                   |                  |         |          |         |          | OIFF.   | 971      | 29         |
| STATES- 35                                  |                   |                  |         |          |         |          |         |          |            |
| 1335787 MA8EL TOP 8AU.....                  | 9                 | AI DAUGHTERS-09  | 9       | 12,022   | 3.6     | 434      |         |          |            |
| 10-09-57 1259853 4104018                    | 9                 | WITH HERD-MATES  | 9       | 12,022   | 3.6     | 434      | 6       | 12,748   | 471        |
| AI STUO, 33-03 LISTED, 05-64                |                   |                  |         |          |         |          | OIFF.   | 726-     | 37-        |
| STATES- 21,23,33,87                         |                   |                  |         |          |         |          |         |          | 12,178 440 |
|   | 1                 | NON-AI DAUGHTERS | 1       | 13,830   | 3.6     | 498      |         |          |            |
|   | 1                 | WITH HERD-MATES  | 1       | 13,830   | 3.6     | 498      | 20      | 15,779   | 594        |
|   |                   |                  |         |          |         |          | OIFF.   | 1949-    | 96-        |
| 1335795 WILLOW LAWN O D KORNDYKE.....       | 11                | NON-AI DAUGHTERS | 16      | 14,816   | 3.6     | 536      |         |          |            |
| D1-25-56 963422 4652427                     | 11                | WITH HERD-MATES  | 16      | 14,816   | 3.6     | 536      | 31      | 15,173   | 545        |
| LISTED, 08-63                               |                   |                  |         |          |         |          | OIFF.   | 357-     | 9-         |
| STATES- 21                                  |                   |                  |         |          |         |          |         |          |            |
| 1335841 .....                               | 5                 | NON-AI DAUGHTERS | 5       | 13,700   | 3.8     | 520      |         |          |            |
| STATES- 35,41                               | 5                 | WITH HERD-MATES  | 5       | 13,700   | 3.8     | 520      | 23      | 14,434   | 525        |
|   |                   |                  |         |          |         |          | OIFF.   | 734-     | 5-         |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN       |                                   |    |                  | AV. PRODUCTION OF | DAU.   | ADJ. HERO-MATES | AV. | PREDICTED | AV.    |      |            |
|----------------|-----------------------------------|----|------------------|-------------------|--------|-----------------|-----|-----------|--------|------|------------|
|                |                                   |    |                  | RECORDS           | MILK   | TEST            | FAT | MILK      | FAT    | MILK | FAT        |
|                |                                   |    |                  | NUMBER            | L8     | %               | L8  | NUMBER    | L8     | L8   | L8         |
| 1335882        | EDGE CORT CHLOE OANDY.....        |    |                  |                   |        |                 |     |           |        |      |            |
| 02-05-58       | 1088151 3774164                   | 12 | NON-AI DAUGHTERS | 13                | 8,258  | 3.9             | 322 |           |        |      |            |
|                | LISTED, 03-64                     | 12 | WITH HERD-MATES  | 13                | 8,258  | 3.9             | 322 |           |        |      |            |
| STATES- 21     |                                   |    |                  |                   |        |                 |     | 77        | 11,631 | 422  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 3373-  | 100- |            |
| 1335901        | GREEN PASTURES SILVER MASTER..... |    |                  |                   |        |                 |     |           |        |      |            |
| 05-03-58       | 1288851 3585579                   | 9  | NON-AI DAUGHTERS | 12                | 15,255 | 3.6             | 555 |           |        |      |            |
|                | LISTED, 11-63                     | 9  | WITH HERD-MATES  | 12                | 15,255 | 3.6             | 555 |           |        |      |            |
| STATES- 48     |                                   |    |                  |                   |        |                 |     | 47        | 13,814 | 506  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 1441   | 49   |            |
| 1335978        | TIOFARM HI-CLASS.....             |    |                  |                   |        |                 |     |           |        |      |            |
| 07-07-57       | 1007680 4435065                   | 13 | NON-AI DAUGHTERS | 13                | 14,005 | 3.9             | 540 |           |        |      |            |
|                | LISTED, 11-63                     | 13 | WITH HERD-MATES  | 13                | 14,005 | 3.9             | 540 |           |        |      |            |
| STATES- 57,63  |                                   |    |                  |                   |        |                 |     | 52        | 14,535 | 554  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 530-   | 14-  |            |
| 1335985        | .....                             |    |                  |                   |        |                 |     |           |        |      |            |
|                |                                   | 5  | NON-AI DAUGHTERS | 5                 | 11,896 | 3.8             | 452 |           |        |      |            |
| STATES- 33     |                                   | 5  | WITH HERD-MATES  | 5                 | 11,896 | 3.8             | 452 |           |        |      |            |
|                |                                   |    |                  |                   |        |                 |     | 8         | 13,868 | 505  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 1972-  | 53-  |            |
| 1336033        | PABST CONQUER.....                |    |                  |                   |        |                 |     |           |        |      |            |
| 07-14-58       | 915940 2939389                    | 19 | AI DAUGHTERS-19  | 19                | 13,713 | 3.6             | 491 |           |        |      |            |
| AI STUO, 35-03 | LISTED, 05-64                     | 18 | WITH HERD-MATES  | 18                | 13,689 | 3.5             | 481 |           |        |      |            |
| STATES- 35     |                                   |    |                  |                   |        |                 |     | 11        | 13,786 | 509  | 12,491 441 |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 97-    | 28-  |            |
|                |                                   | 2  | NON-AI DAUGHTERS | 2                 | 19,225 | 3.9             | 755 |           |        |      |            |
|                |                                   | 2  | WITH HERD-MATES  | 2                 | 19,225 | 3.9             | 755 |           |        |      |            |
|                |                                   |    |                  |                   |        |                 |     | 3         | 12,500 | 500  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 6725   | 255  |            |
| 1336055        | HEGEMAN DUKE PERFECTION.....      |    |                  |                   |        |                 |     |           |        |      |            |
| 03-17-58       | 989939 3675392                    | 18 | NON-AI DAUGHTERS | 20                | 10,803 | 4.4             | 473 |           |        |      |            |
|                | LISTED, 03-64                     | 18 | WITH HERD-MATES  | 20                | 10,803 | 4.4             | 473 |           |        |      |            |
| STATES- 43     |                                   |    |                  |                   |        |                 |     | 16        | 12,249 | 469  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 1446-  | . 4  |            |
| 1336060        | .....                             |    |                  |                   |        |                 |     |           |        |      |            |
|                |                                   | 6  | NON-AI DAUGHTERS | 6                 | 11,607 | 3.8             | 441 |           |        |      |            |
| STATES- 31     |                                   | 6  | WITH HERD-MATES  | 6                 | 11,607 | 3.8             | 441 |           |        |      |            |
|                |                                   |    |                  |                   |        |                 |     | 8         | 12,582 | 457  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 975-   | 16-  |            |
| 1336104        | .....                             |    |                  |                   |        |                 |     |           |        |      |            |
|                |                                   | 5  | NON-AI DAUGHTERS | 5                 | 13,774 | 3.8             | 526 |           |        |      |            |
| STATES- 63     |                                   | 5  | WITH HERD-MATES  | 5                 | 13,774 | 3.8             | 526 |           |        |      |            |
|                |                                   |    |                  |                   |        |                 |     | 7         | 12,181 | 473  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 1593   | 53   |            |
| 1336215        | RAVENGLIN COMMANDER.....          |    |                  |                   |        |                 |     |           |        |      |            |
| 06-01-58       | 1253322 2378766                   | 27 | NON-AI DAUGHTERS | 28                | 11,274 | 4.0             | 450 |           |        |      |            |
|                | LISTED, 03-64                     | 27 | WITH HERD-MATES  | 28                | 11,274 | 4.0             | 450 |           |        |      |            |
| STATES- 43     |                                   |    |                  |                   |        |                 |     | 55        | 12,890 | 474  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 1616-  | 24-  |            |
| 1336274        | AL-LOU-JAN BURKE DUNLOGGIN.....   |    |                  |                   |        |                 |     |           |        |      |            |
| 04-15-58       | 1113350 3216970                   | 29 | AI DAUGHTERS-07  | 29                | 15,661 | 3.6             | 562 |           |        |      |            |
| AI STUO, 55-01 | LISTED, 05-64                     | 29 | WITH HERD-MATES  | 29                | 15,661 | 3.6             | 562 |           |        |      |            |
| STATES- 55     |                                   |    |                  |                   |        |                 |     | 51        | 16,928 | 633  | 11,896 418 |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 1267-  | 71-  |            |
| 1336320        | .....                             |    |                  |                   |        |                 |     |           |        |      |            |
|                |                                   | 9  | NON-AI DAUGHTERS | 9                 | 17,666 | 3.9             | 689 |           |        |      |            |
| STATES- 41     |                                   | 9  | WITH HERD-MATES  | 9                 | 17,666 | 3.9             | 689 |           |        |      |            |
|                |                                   |    |                  |                   |        |                 |     | 13        | 15,293 | 615  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 2373   | 74   |            |
| 1336324        | PINEHURST KLAZERINA LEADER.....   |    |                  |                   |        |                 |     |           |        |      |            |
| 03-19-58       | 915940 2631241                    | 28 | NON-AI DAUGHTERS | 29                | 15,118 | 3.7             | 559 |           |        |      |            |
|                | LISTED, 05-64                     | 28 | WITH HERD-MATES  | 29                | 15,118 | 3.7             | 559 |           |        |      |            |
| STATES- 31     |                                   |    |                  |                   |        |                 |     | 19        | 14,895 | 542  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 223    | 17   |            |
| 1336427        | .....                             |    |                  |                   |        |                 |     |           |        |      |            |
|                |                                   | 6  | NON-AI DAUGHTERS | 6                 | 10,383 | 3.7             | 386 |           |        |      |            |
| STATES- 34     |                                   | 6  | WITH HERD-MATES  | 6                 | 10,383 | 3.7             | 386 |           |        |      |            |
|                |                                   |    |                  |                   |        |                 |     | 9         | 11,823 | 423  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 1440-  | 37-  |            |
| 1336435        | HIGH AWARE SUNNYBANK.....         |    |                  |                   |        |                 |     |           |        |      |            |
| 12-14-55       | 010246610 010632101               | 32 | NON-AI DAUGHTERS | 33                | 12,847 | 3.5             | 455 |           |        |      |            |
|                | LISTED, 03-64                     | 31 | WITH HERD-MATES  | 32                | 12,851 | 3.5             | 455 |           |        |      |            |
| STATES- 51     |                                   |    |                  |                   |        |                 |     | 28        | 12,852 | 458  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 1-     | 3-   |            |
| 1336462        | .....                             |    |                  |                   |        |                 |     |           |        |      |            |
|                |                                   | 5  | NON-AI DAUGHTERS | 6                 | 11,286 | 3.4             | 380 |           |        |      |            |
| STATES- 72     |                                   | 5  | WITH HERD-MATES  | 6                 | 11,286 | 3.4             | 380 |           |        |      |            |
|                |                                   |    |                  |                   |        |                 |     | 25        | 11,684 | 393  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 398-   | 13-  |            |
| 1336471        | QUIET ACRES MUTUAL HARTOG.....    |    |                  |                   |        |                 |     |           |        |      |            |
| 11-03-57       | 1040096 4141800                   | 21 | NON-AI DAUGHTERS | 23                | 16,266 | 3.7             | 598 |           |        |      |            |
|                | LISTED, 11-63                     | 21 | WITH HERD-MATES  | 23                | 16,266 | 3.7             | 598 |           |        |      |            |
| STATES- 91     |                                   |    |                  |                   |        |                 |     | 38        | 16,829 | 617  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 563-   | 19-  |            |
| 1336475        | .....                             |    |                  |                   |        |                 |     |           |        |      |            |
|                |                                   | 7  | NON-AI DAUGHTERS | 7                 | 11,894 | 3.4             | 404 |           |        |      |            |
| STATES- 35     |                                   | 7  | WITH HERD-MATES  | 7                 | 11,894 | 3.4             | 404 |           |        |      |            |
|                |                                   |    |                  |                   |        |                 |     | 3         | 11,806 | 397  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 88     | 7    |            |
| 1336585        | .....                             |    |                  |                   |        |                 |     |           |        |      |            |
|                |                                   | 7  | NON-AI DAUGHTERS | 7                 | 11,449 | 4.1             | 473 |           |        |      |            |
| STATES- 48     |                                   | 7  | WITH HERD-MATES  | 7                 | 11,449 | 4.1             | 473 |           |        |      |            |
|                |                                   |    |                  |                   |        |                 |     | 10        | 11,584 | 435  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 135-   | 38   |            |
| 1336648        | .....                             |    |                  |                   |        |                 |     |           |        |      |            |
|                |                                   | 5  | NON-AI DAUGHTERS | 5                 | 13,038 | 4.1             | 534 |           |        |      |            |
| STATES- 91     |                                   | 5  | WITH HERD-MATES  | 5                 | 13,038 | 4.1             | 534 |           |        |      |            |
|                |                                   |    |                  |                   |        |                 |     | 18        | 14,319 | 544  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 1281-  | 10-  |            |
| 1336715        | DENLAH CONQUEROR OMEGA BURKE..... |    |                  |                   |        |                 |     |           |        |      |            |
| 01-25-56       | 953325 3513595                    | 8  | NON-AI DAUGHTERS | 10                | 11,077 | 3.7             | 409 |           |        |      |            |
|                | LISTED, 11-63                     | 7  | WITH HERD-MATES  | 9                 | 10,819 | 3.8             | 408 |           |        |      |            |
| STATES- 55     |                                   |    |                  |                   |        |                 |     | 10        | 11,695 | 415  |            |
|                |                                   |    |                  |                   |        |                 |     | OIFF.     | 876-   | 7-   |            |



## SIREs OF DHIA DAUGHTERS

| SIZES OF DATA DAUGHTERS |                                  |    |                  | AV. PRODUCTION OF DAU. | ADJ. AV. | HERD-MATES | AV. | PREDICTED AV. |        |
|-------------------------|----------------------------------|----|------------------|------------------------|----------|------------|-----|---------------|--------|
| HDLSTEIN                |                                  |    |                  | RECORDS                | MILK     | TEST       | FAT | MILK          | FAT    |
|                         |                                  |    |                  | NUMBER                 | LB       | %          | LB  | NUMBER        | LB     |
| 1336717                 | ASHDALE RDEBUCK SYM8DL.....      |    |                  |                        |          |            |     |               |        |
| 01-25-58                | 1149608 3550014                  | 9  | NDN-AI DAUGHTERS | 10                     | 13,326   | 3.7        | 490 |               |        |
|                         | LISTED, 03-64                    | 9  | WITH HERD-MATES  | 10                     | 13,326   | 3.7        | 490 |               |        |
| STATES- 46              |                                  |    |                  |                        |          |            |     | 6             | 13,213 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 113    |
|                         |                                  |    |                  |                        |          |            |     |               | 470    |
|                         |                                  |    |                  |                        |          |            |     |               | 20     |
| 1336744                 | .....                            |    |                  |                        |          |            |     |               |        |
|                         |                                  | 5  | NDN-AI DAUGHTERS | 5                      | 14,058   | 4.1        | 582 |               |        |
| STATES- 33              |                                  | 5  | WITH HERD-MATES  | 5                      | 14,058   | 4.1        | 582 | 11            | 14,457 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 399-   |
|                         |                                  |    |                  |                        |          |            |     |               | 562    |
|                         |                                  |    |                  |                        |          |            |     |               | 20     |
| 1336771                 | .....                            |    |                  |                        |          |            |     |               |        |
|                         |                                  | 5  | NDN-AI DAUGHTERS | 10                     | 14,328   | 3.3        | 477 |               |        |
| STATES- 35              |                                  | 5  | WITH HERD-MATES  | 10                     | 14,328   | 3.3        | 477 | 17            | 14,593 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 265-   |
|                         |                                  |    |                  |                        |          |            |     |               | 503    |
|                         |                                  |    |                  |                        |          |            |     |               | 26-    |
| 1336789                 | .....                            |    |                  |                        |          |            |     |               |        |
|                         |                                  | 7  | NDN-AI DAUGHTERS | 7                      | 12,551   | 3.5        | 444 |               |        |
| STATES- 82              |                                  | 7  | WITH HERD-MATES  | 7                      | 12,551   | 3.5        | 444 | 9             | 11,913 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 638    |
|                         |                                  |    |                  |                        |          |            |     |               | 417    |
|                         |                                  |    |                  |                        |          |            |     |               | 27     |
| 1336832                 | E W ANTIGUA SHANGHIGH BUD.....   |    |                  |                        |          |            |     |               |        |
| 07-08-58                | 1090258 3965279                  | 13 | NDN-AI DAUGHTERS | 16                     | 17,499   | 3.6        | 624 |               |        |
|                         | LISTED, 03-64                    | 12 | WITH HERD-MATES  | 15                     | 17,946   | 3.6        | 639 |               |        |
| STATES- 84              |                                  |    |                  |                        |          |            |     | 34            | 15,437 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 2509   |
|                         |                                  |    |                  |                        |          |            |     |               | 545    |
|                         |                                  |    |                  |                        |          |            |     |               | 94     |
| 1337006                 | .....                            |    |                  |                        |          |            |     |               |        |
|                         |                                  | 5  | NDN-AI DAUGHTERS | 5                      | 13,742   | 3.8        | 527 |               |        |
| STATES- 23              |                                  | 5  | WITH HERD-MATES  | 5                      | 13,742   | 3.8        | 527 | 21            | 14,061 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 319-   |
|                         |                                  |    |                  |                        |          |            |     |               | 555    |
|                         |                                  |    |                  |                        |          |            |     |               | 28-    |
| 1337178                 | WILFAR RAG APPLE GRAZER.....     |    |                  |                        |          |            |     |               |        |
| 06-05-58                | 939765 3775235                   | 15 | NDN-AI DAUGHTERS | 17                     | 14,112   | 3.7        | 519 |               |        |
|                         | LISTED, 11-63                    | 15 | WITH HERD-MATES  | 17                     | 14,112   | 3.7        | 519 |               |        |
| STATES- 23              |                                  |    |                  |                        |          |            |     | 12            | 13,738 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 374    |
|                         |                                  |    |                  |                        |          |            |     |               | 487    |
|                         |                                  |    |                  |                        |          |            |     |               | 32     |
| 1337218                 | GENE ACRES CHEVRON STAR.....     |    |                  |                        |          |            |     |               |        |
| 10-04-58                | 1295796 3807441                  | 8  | NDN-AI DAUGHTERS | 8                      | 11,848   | 3.5        | 417 |               |        |
|                         | LISTED, 05-64                    | 8  | WITH HERD-MATES  | 8                      | 11,848   | 3.5        | 417 |               |        |
| STATES- 35              |                                  |    |                  |                        |          |            |     | 14            | 12,245 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 397-   |
|                         |                                  |    |                  |                        |          |            |     |               | 410    |
|                         |                                  |    |                  |                        |          |            |     |               | 7      |
| 1337270                 | TED-ANNE EMBLEM.....             |    |                  |                        |          |            |     |               |        |
| 10-01-58                | 1266012 4709731                  | 9  | NON-AI DAUGHTERS | 9                      | 12,403   | 3.5        | 434 |               |        |
|                         | LISTED, 03-64                    | 9  | WITH HERD-MATES  | 9                      | 12,403   | 3.5        | 434 |               |        |
| STATES- 21              |                                  |    |                  |                        |          |            |     | 33            | 14,418 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 2015-  |
|                         |                                  |    |                  |                        |          |            |     |               | 511    |
|                         |                                  |    |                  |                        |          |            |     |               | 77-    |
| 1337424                 | .....                            |    |                  |                        |          |            |     |               |        |
|                         |                                  | 5  | NON-AI DAUGHTERS | 5                      | 13,300   | 3.6        | 479 |               |        |
| STATES- 21              |                                  | 5  | WITH HERD-MATES  | 5                      | 13,300   | 3.6        | 479 | 16            | 13,926 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 626-   |
|                         |                                  |    |                  |                        |          |            |     |               | 495    |
|                         |                                  |    |                  |                        |          |            |     |               | 16-    |
| 1337442                 | .....                            |    |                  |                        |          |            |     |               |        |
|                         |                                  | 6  | NDN-AI DAUGHTERS | 6                      | 9,347    | 4.0        | 371 |               |        |
| STATES- 34              |                                  | 6  | WITH HERD-MATES  | 6                      | 9,347    | 4.0        | 371 | 6             | 10,016 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 669-   |
|                         |                                  |    |                  |                        |          |            |     |               | 395    |
|                         |                                  |    |                  |                        |          |            |     |               | 24-    |
| 1337513                 | STEVELAWN RDYAL LADDIE.....      |    |                  |                        |          |            |     |               |        |
| 09-20-54                | 1181196 2692327                  | 29 | NDN-AI DAUGHTERS | 37                     | 10,853   | 3.6        | 390 |               |        |
|                         | LISTED, 08-62                    | 29 | WITH HERD-MATES  | 37                     | 10,853   | 3.6        | 390 |               |        |
| STATES- 34              |                                  |    |                  |                        |          |            |     | 6             | 11,420 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 567-   |
|                         |                                  |    |                  |                        |          |            |     |               | 412    |
|                         |                                  |    |                  |                        |          |            |     |               | 22-    |
| 1337584                 | .....                            |    |                  |                        |          |            |     |               |        |
|                         |                                  | 5  | NDN-AI DAUGHTERS | 5                      | 16,698   | 3.7        | 625 |               |        |
| STATES- 21,22           |                                  | 5  | WITH HERD-MATES  | 5                      | 16,698   | 3.7        | 625 | 13            | 14,839 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 1859   |
|                         |                                  |    |                  |                        |          |            |     |               | 541    |
|                         |                                  |    |                  |                        |          |            |     |               | 84     |
| 1337618                 | BDND HAVEN CENTURION SULTAN..... |    |                  |                        |          |            |     |               |        |
| 11-02-56                | 010239301 010674154              | 19 | NDN-AI DAUGHTERS | 22                     | 14,234   | 3.5        | 493 |               |        |
|                         | LISTED, 03-64                    | 19 | WITH HERD-MATES  | 22                     | 14,234   | 3.5        | 493 |               |        |
| STATES- 57              |                                  |    |                  |                        |          |            |     | 15            | 13,923 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 311    |
|                         |                                  |    |                  |                        |          |            |     |               | 482    |
|                         |                                  |    |                  |                        |          |            |     |               | 11     |
| 1337647                 | VIGD LEADER CARL.....            |    |                  |                        |          |            |     |               |        |
| 08-03-58                | 915940 3777356                   | 29 | AI DAUGHTERS-18  | 29                     | 13,686   | 3.6        | 499 |               |        |
| AI STUD, 35-05          | LISTED, 05-64                    | 29 | WITH HERD-MATES  | 29                     | 13,686   | 3.6        | 499 |               |        |
| STATES- 33,35,42        |                                  |    |                  |                        |          |            |     | 13            | 13,426 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 260    |
|                         |                                  |    |                  |                        |          |            |     |               | 494    |
|                         |                                  |    |                  |                        |          |            |     |               | 5      |
| 1337695                 | .....                            |    |                  |                        |          |            |     |               |        |
|                         |                                  | 5  | NDN-AI DAUGHTERS | 5                      | 14,624   | 4.1        | 604 |               |        |
| STATES- 21              |                                  | 3  | WITH HERD-MATES  | 3                      | 16,923   | 4.1        | 686 | 8             | 14,680 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 2243   |
|                         |                                  |    |                  |                        |          |            |     |               | 581    |
|                         |                                  |    |                  |                        |          |            |     |               | 105    |
| 1337833                 | .....                            |    |                  |                        |          |            |     |               |        |
|                         |                                  | 9  | NDN-AI DAUGHTERS | 9                      | 7,988    | 3.8        | 306 |               |        |
| STATES- 21              |                                  | 9  | WITH HERD-MATES  | 9                      | 7,988    | 3.8        | 306 | 14            | 9,261  |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 1273-  |
|                         |                                  |    |                  |                        |          |            |     |               | 342    |
|                         |                                  |    |                  |                        |          |            |     |               | 36-    |
| 1337909                 | RDJDNRIK KING ROCKY.....         |    |                  |                        |          |            |     |               |        |
| 07-26-56                | 990559 4541155                   | 10 | NDN-AI DAUGHTERS | 14                     | 14,557   | 3.7        | 534 |               |        |
|                         | LISTED, 01-63                    | 10 | WITH HERD-MATES  | 14                     | 14,557   | 3.7        | 534 |               |        |
| STATES- 32              |                                  |    |                  |                        |          |            |     | 9             | 15,128 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 571-   |
|                         |                                  |    |                  |                        |          |            |     |               | 551    |
|                         |                                  |    |                  |                        |          |            |     |               | 17-    |
| 1337951                 | UNEEDA TILLY KING.....           |    |                  |                        |          |            |     |               |        |
| 11-30-55                | 1210684 2507729                  | 13 | NDN-AI DAUGHTERS | 29                     | 13,187   | 3.9        | 519 |               |        |
|                         | LISTED, 08-62                    | 13 | WITH HERD-MATES  | 29                     | 13,187   | 3.9        | 519 |               |        |
| STATES- 21,32,34,64     |                                  |    |                  |                        |          |            |     | 63            | 12,962 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 225    |
|                         |                                  |    |                  |                        |          |            |     |               | 477    |
|                         |                                  |    |                  |                        |          |            |     |               | 42     |
| 1338076                 | .....                            |    |                  |                        |          |            |     |               |        |
|                         |                                  | 6  | NON-AI DAUGHTERS | 6                      | 11,748   | 3.1        | 368 |               |        |
| STATES- 55              |                                  | 6  | WITH HERD-MATES  | 6                      | 11,748   | 3.1        | 368 | 17            | 11,428 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 320    |
|                         |                                  |    |                  |                        |          |            |     |               | 383    |
|                         |                                  |    |                  |                        |          |            |     |               | 15-    |
| 1338124                 | .....                            |    |                  |                        |          |            |     |               |        |
|                         |                                  | 5  | NDN-AI DAUGHTERS | 5                      | 14,122   | 3.4        | 486 |               |        |
| STATES- 21              |                                  | 5  | WITH HERD-MATES  | 5                      | 14,122   | 3.4        | 486 | 35            | 13,936 |
|                         |                                  |    |                  |                        |          |            |     | DIFF.         | 186    |
|                         |                                  |    |                  |                        |          |            |     |               | 493    |
|                         |                                  |    |                  |                        |          |            |     |               | 7-     |

## SIREs OF OHIA DAUGHTERS

| SIRE OF CHIA BACCHER                              |  |  |  | AV. RECDRDS | PRDUCTION MILK L8 | DF TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|---|--|--|--|-------------|-------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| HDLSTEIN  |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| 1338128 .....                                     |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| STATES- 52  |  |  |  | 5           | NDN-AI DAUGHTERS  | 5         | 14,470      | 3.6             | 522                |            |                   |            |
|   |  |  |  | 5           | WITH HERD-MATES   | 5         | 14,470      | 3.6             | 522                | 15         | 12,385            | 452        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 2085              | 70         |
| 1338171 .....                                     |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| STATES- 34,48                                     |  |  |  | 5           | NDN-AI DAUGHTERS  | 5         | 13,386      | 3.8             | 510                |            |                   |            |
|   |  |  |  | 5           | WITH HERD-MATES   | 5         | 13,386      | 3.8             | 510                | 21         | 13,843            | 484        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 457-              | 26         |
| 1338191 HILLTOP MAESTRO EXPLORER.....             |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| D6-30-58 1263007 3584837                          |  |  |  | 10          | AI DAUGHTERS-10   | 10        | 10,525      | 3.6             | 377                |            |                   |            |
| AI STUD, 34-D1 LISTED, 05-64                      |  |  |  | 9           | WITH HERD-MATES   | 9         | 9,943       | 3.5             | 351                | 4          | 10,987            | 418        |
| STATES- 11,13,16,21,34                            |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 1044-             | 67-        |
|   |  |  |  | 9           | NDN-AI DAUGHTERS  | 11        | 11,418      | 3.6             | 416                |            |                   |            |
|   |  |  |  | 9           | WITH HERD-MATES   | 11        | 11,418      | 3.6             | 416                | 14         | 13,521            | 496        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 2103-             | 80-        |
| 1338387 .....                                     |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| STATES- 43  |  |  |  | 5           | NDN-AI DAUGHTERS  | 5         | 13,686      | 3.5             | 478                |            |                   |            |
|   |  |  |  | 5           | WITH HERD-MATES   | 5         | 13,686      | 3.5             | 478                | 2          | 12,529            | 426        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 1157              | 52         |
| 1338458 .....                                     |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| STATES- 21  |  |  |  | 6           | NDN-AI DAUGHTERS  | 7         | 11,961      | 3.5             | 423                |            |                   |            |
|   |  |  |  | 5           | WITH HERD-MATES   | 6         | 12,791      | 3.5             | 452                | 15         | 15,481            | 569        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 2690-             | 117-       |
| 1338573 FUTURE HOPE FAITH MASTERPIECE - TWIN..... |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| 12-16-57 1279666 3074541                          |  |  |  | 8           | NON-AI DAUGHTERS  | 12        | 15,358      | 3.6             | 548                |            |                   |            |
| LISTED, 11-63                                     |  |  |  | 8           | WITH HERD-MATES   | 12        | 15,358      | 3.6             | 548                | 12         | 14,393            | 510        |
| STATES- 35  |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 965               | 38         |
| 1338582 .....                                     |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| STATES- 11,13,22                                  |  |  |  | 5           | NON-AI DAUGHTERS  | 5         | 14,886      | 3.6             | 532                |            |                   |            |
|   |  |  |  | 5           | WITH HERD-MATES   | 5         | 14,886      | 3.6             | 532                | 41         | 14,261            | 531        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 625               | 1          |
| 1338592 HDMESTEAD FARM GOLDEN VEEMAN.....         |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| 09-07-58 1079736 3662621                          |  |  |  | 22          | AI DAUGHTERS-16   | 23        | 13,163      | 3.6             | 477                |            |                   |            |
| AI STUD, 63-D1 LISTED, 05-64                      |  |  |  | 22          | WITH HERD-MATES   | 23        | 13,163      | 3.6             | 477                | 10         | 13,559            | 503        |
| STATES- 63  |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 396-              | 26-        |
|   |  |  |  | 2           | NDN-AI DAUGHTERS  | 2         | 11,180      | 3.4             | 382                |            |                   |            |
|   |  |  |  | 2           | WITH HERD-MATES   | 2         | 11,180      | 3.4             | 382                | 19         | 10,868            | 418        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 312               | 36-        |
| 1338593 HDMESTEAD FARM GOLDEN CRETE.....          |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| 10-17-58 1079736 4055806                          |  |  |  | 11          | NDN-AI DAUGHTERS  | 11        | 14,384      | 3.6             | 514                |            |                   |            |
| LISTED, 03-64                                     |  |  |  | 11          | WITH HERD-MATES   | 11        | 14,384      | 3.6             | 514                | 25         | 14,904            | 549        |
| STATES- 21  |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 520-              | 35-        |
| 1338594 .....                                     |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| STATES- 16  |  |  |  | 5           | NDN-AI DAUGHTERS  | 5         | 18,922      | 3.7             | 697                |            |                   |            |
|   |  |  |  | 5           | WITH HERD-MATES   | 5         | 18,922      | 3.7             | 697                | 48         | 17,071            | 641        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 1851              | 56         |
| 1338726 MAYERS DUKE 8DNHEUR MAJESTY.....          |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| 11-25-57 1293580 2923135                          |  |  |  | 9           | NDN-AI DAUGHTERS  | 9         | 14,198      | 4.1             | 577                |            |                   |            |
| LISTED, 05-64                                     |  |  |  | 8           | WITH HERD-MATES   | 8         | 14,455      | 4.0             | 572                | 15         | 15,378            | 563        |
| STATES- 41  |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 923-              | 9          |
| 1338728 MAYERS DUKE MAJESTY F08ES.....            |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| 03-03-58 1293580 3480321                          |  |  |  | 42          | NDN-AI DAUGHTERS  | 46        | 15,237      | 4.1             | 623                |            |                   |            |
| LISTED, 11-63                                     |  |  |  | 42          | WITH HERD-MATES   | 46        | 15,237      | 4.1             | 623                | 21         | 15,310            | 588        |
| STATES- 23,51                                     |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 73-               | 35         |
| 1338743 .....                                     |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| STATES- 31  |  |  |  | 8           | NDN-AI DAUGHTERS  | 9         | 11,036      | 3.5             | 386                |            |                   |            |
|   |  |  |  | 8           | WITH HERD-MATES   | 9         | 11,036      | 3.5             | 386                | 16         | 12,605            | 466        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 1569-             | 80-        |
| 1338898 CEDAR TREE DE KDL DYNAMO.....             |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| 10-16-55 1072332 3649904                          |  |  |  | 8           | NDN-AI DAUGHTERS  | 10        | 14,030      | 4.0             | 562                |            |                   |            |
| LISTED, 11-63                                     |  |  |  | 8           | WITH HERD-MATES   | 10        | 14,030      | 4.0             | 562                | 11         | 14,406            | 513        |
| STATES- 91  |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 376-              | 49         |
| 1338918 .....                                     |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| STATES- 35  |  |  |  | 8           | NDN-AI DAUGHTERS  | 8         | 13,354      | 3.5             | 467                |            |                   |            |
|   |  |  |  | 8           | WITH HERD-MATES   | 8         | 13,354      | 3.5             | 467                | 26         | 13,588            | 451        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 234-              | 16         |
| 1338926 .....                                     |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| STATES- 23  |  |  |  | 5           | NDN-AI DAUGHTERS  | 5         | 11,908      | 3.6             | 429                |            |                   |            |
|   |  |  |  | 5           | WITH HERD-MATES   | 5         | 11,908      | 3.6             | 429                | 9          | 13,257            | 484        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 1349-             | 55-        |
| 1339109 .....                                     |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| STATES- 21  |  |  |  | 5           | NDN-AI DAUGHTERS  | 5         | 13,134      | 3.8             | 494                |            |                   |            |
|   |  |  |  | 4           | WITH HERD-MATES   | 4         | 13,365      | 3.8             | 509                | 9          | 14,116            | 517        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 751-              | 8-         |
| 1339113 .....                                     |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| STATES- 16  |  |  |  | 5           | NDN-AI DAUGHTERS  | 5         | 14,478      | 3.7             | 538                |            |                   |            |
|   |  |  |  | 5           | WITH HERD-MATES   | 5         | 14,478      | 3.7             | 538                | 33         | 14,855            | 585        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 377-              | 47-        |
| 1339135 .....                                     |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| STATES- 35  |  |  |  | 5           | NDN-AI DAUGHTERS  | 5         | 13,886      | 4.1             | 563                |            |                   |            |
|   |  |  |  | 5           | WITH HERD-MATES   | 5         | 13,886      | 4.1             | 563                | 16         | 13,902            | 512        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 16-               | 51         |
| 1339159 .....                                     |  |  |  |             |                   |           |             |                 |                    |            |                   |            |
| STATES- 23  |  |  |  | 5           | NDN-AI DAUGHTERS  | 6         | 12,011      | 3.9             | 471                |            |                   |            |
|   |  |  |  | 5           | WITH HERD-MATES   | 6         | 12,011      | 3.9             | 471                | 13         | 12,712            | 485        |
|   |  |  |  |             |                   |           |             |                 |                    | DIFF.      | 701-              | 14-        |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN   | AV. RECORDS | PRDUCTION MILK LB | DF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | AV. FAT LB |
|--|-------------|-------------------|-----------|-------------|-----------------|--------------------|------------|-----------------------|------------|
| 1339193 KASPER PINE KNOLL KNDLLSIDE.....         |             |                   |           |             |                 |                    |            |                       |            |
| 09-01-57 1091004 3617178 10 NON-AI DAUGHTERS     | 16          | 12,048            | 3.6       | 439         |                 |                    |            |                       |            |
| LISTED, 08-63 10 WITH HERD-MATES                 | 16          | 12,048            | 3.6       | 439         |                 |                    |            |                       |            |
| STATES- 41                                       |             |                   |           |             | 10 DIFF.        | 12,787 739-        | 484 45-    |                       |            |
| 1339201 LEA INN ACE HIGH MARS.....               |             |                   |           |             |                 |                    |            |                       |            |
| 02-01-58 1221072 3357674 9 NON-AI DAUGHTERS      | 11          | 12,318            | 3.7       | 458         |                 |                    |            |                       |            |
| LISTED, 03-64 8 WITH HERD-MATES                  | 10          | 12,685            | 3.6       | 456         | 5 DIFF.         | 12,235 450         | 437 19     |                       |            |
| STATES- 42                                       |             |                   |           |             |                 |                    |            |                       |            |
| 1339202 .....                                    |             |                   |           |             |                 |                    |            |                       |            |
| STATES- 46                                       |             |                   |           |             | 33 DIFF.        | 11,618 950         | 406 30     |                       |            |
| 1339212 SIR CARNATION SUE LAURA HEILO.....       |             |                   |           |             |                 |                    |            |                       |            |
| 11-16-57 1237666 2875605 12 NON-AI DAUGHTERS     | 16          | 11,267            | 3.8       | 424         |                 |                    |            |                       |            |
| LISTED, 11-63 11 WITH HERD-MATES                 | 15          | 11,194            | 3.8       | 423         | 14 DIFF.        | 13,186 1992-       | 466 43-    |                       |            |
| STATES- 35                                       |             |                   |           |             |                 |                    |            |                       |            |
| 1339247 ORMSBY REVELATION INVADER.....           |             |                   |           |             |                 |                    |            |                       |            |
| 03-15-58 1305531 3100045 12 NON-AI DAUGHTERS     | 13          | 13,327            | 3.7       | 491         |                 |                    |            |                       |            |
| LISTED, 03-64 12 WITH HERD-MATES                 | 13          | 13,327            | 3.7       | 491         | 23 DIFF.        | 12,740 587         | 462 29     |                       |            |
| STATES- 48                                       |             |                   |           |             |                 |                    |            |                       |            |
| 1339266 COLD S U CAVALIER.....                   |             |                   |           |             |                 |                    |            |                       |            |
| 06-08-58 1013415 3420439 49 AI DAUGHTERS-16      | 54          | 13,840            | 3.5       | 489         |                 |                    |            |                       |            |
| AI STUD, 84-01 LISTED, 05-64 42 WITH HERD-MATES  | 47          | 13,668            | 3.5       | 484         | 18 DIFF.        | 14,548 880-        | 510 26-    | 11,954                | 439        |
| STATES- 83,84                                    |             |                   |           |             |                 |                    |            |                       |            |
| 1339424 .....                                    |             |                   |           |             |                 |                    |            |                       |            |
| STATES- 32                                       |             |                   |           |             | 20 DIFF.        | 13,117 1553-       | 497 81-    |                       |            |
| 1339425 ZELDENRUST GOLDEN PONTIAC.....           |             |                   |           |             |                 |                    |            |                       |            |
| 08-09-58 1079736 2649438 42 AI DAUGHTERS-25*     | 42          | 13,287            | 3.5       | 470         |                 |                    |            |                       |            |
| AI STUD, 31-02 LISTED, 05-64 41 WITH HERD-MATES  | 41          | 13,259            | 3.5       | 470         | 26 DIFF.        | 13,733 474-        | 498 28-    | 12,203                | 437        |
| STATES- 23,31,32,34,51,55,56                     |             |                   |           |             |                 |                    |            |                       |            |
| 1339434 .....                                    |             |                   |           |             |                 |                    |            |                       |            |
| STATES- 41                                       |             |                   |           |             | 17 DIFF.        | 12,396 1701        | 474 30     |                       |            |
| 1339444 .....                                    |             |                   |           |             |                 |                    |            |                       |            |
| STATES- 34                                       |             |                   |           |             | 15 DIFF.        | 13,915 1283-       | 506 41-    |                       |            |
| 1339464 .....                                    |             |                   |           |             |                 |                    |            |                       |            |
| STATES- 91                                       |             |                   |           |             | 15 DIFF.        | 16,317 3076        | 619 71     |                       |            |
| 1339588 .....                                    |             |                   |           |             |                 |                    |            |                       |            |
| STATES- 31                                       |             |                   |           |             | 1 DIFF.         | 15,345 719-        | 525 41     |                       |            |
| 1339712 STOOKEYHDLM BILL PAUL.....               |             |                   |           |             |                 |                    |            |                       |            |
| 07-21-57 1272007 4031687 12 NON-AI DAUGHTERS     | 15          | 12,422            | 4.0       | 495         |                 |                    |            |                       |            |
| LISTED, 08-63 12 WITH HERD-MATES                 | 15          | 12,422            | 4.0       | 495         | 8 DIFF.         | 13,644 1222-       | 511 16-    |                       |            |
| STATES- 32,34                                    |             |                   |           |             |                 |                    |            |                       |            |
| 1339807 DON AUGUR CARNATION HOMESTEAD.....       |             |                   |           |             |                 |                    |            |                       |            |
| 11-24-57 1298077 4168312 17 NON-AI DAUGHTERS     | 17          | 18,579            | 3.6       | 668         |                 |                    |            |                       |            |
| LISTED, 03-64 17 WITH HERD-MATES                 | 17          | 18,579            | 3.6       | 668         | 16 DIFF.        | 17,596 983         | 639 29     |                       |            |
| STATES- 16                                       |             |                   |           |             |                 |                    |            |                       |            |
| 1339811 WONDERFUL SPRING FRASEA FD8ES.....       |             |                   |           |             |                 |                    |            |                       |            |
| 10-23-57 1079424 3295208 11 NON-AI DAUGHTERS     | 13          | 11,367            | 3.7       | 420         |                 |                    |            |                       |            |
| LISTED, 03-64 11 WITH HERD-MATES                 | 13          | 11,367            | 3.7       | 420         | 12 DIFF.        | 12,142 775-        | 457 37-    |                       |            |
| STATES- 35                                       |             |                   |           |             |                 |                    |            |                       |            |
| 1339916 QUINNLANO ARISTOCRAT HICKORY.....        |             |                   |           |             |                 |                    |            |                       |            |
| 10-19-58 1111078 3409549 8 NON-AI DAUGHTERS      | 8           | 14,375            | 3.5       | 503         |                 |                    |            |                       |            |
| LISTED, 03-64 8 WITH HERD-MATES                  | 8           | 14,375            | 3.5       | 503         | 27 DIFF.        | 14,408 33-         | 519 16-    |                       |            |
| STATES- 43                                       |             |                   |           |             |                 |                    |            |                       |            |
| 1339941 CLARJON SIR ROBURKE A88EKERK.....        |             |                   |           |             |                 |                    |            |                       |            |
| 04-01-58 1024453 3197953 12 NON-AI DAUGHTERS     | 13          | 12,923            | 3.7       | 472         |                 |                    |            |                       |            |
| LISTED, 11-63 12 WITH HERD-MATES                 | 13          | 12,923            | 3.7       | 472         | 12 DIFF.        | 12,626 297         | 452 20     |                       |            |
| STATES- 31                                       |             |                   |           |             |                 |                    |            |                       |            |
| 1339946 .....                                    |             |                   |           |             |                 |                    |            |                       |            |
| STATES- 11                                       |             |                   |           |             | 16 DIFF.        | 13,678 2315-       | 551 99-    |                       |            |
| 1339947 .....                                    |             |                   |           |             |                 |                    |            |                       |            |
| STATES- 11                                       |             |                   |           |             | 18 DIFF.        | 13,339 769-        | 540 32-    |                       |            |
| 1339975 CRAIGLEN ARISTOCRAT TOPSON.....          |             |                   |           |             |                 |                    |            |                       |            |
| 09-29-58 1124780 3308798 121 AI DAUGHTERS-25*    | 126         | 13,478            | 3.5       | 471         |                 |                    |            |                       |            |
| AI STUD, 21-01 LISTED, 05-64 121 WITH HERD-MATES | 126         | 13,478            | 3.5       | 471         | 22 DIFF.        | 13,882 404-        | 501 30-    | 12,234                | 432        |
| STATES- 13,21,35                                 |             |                   |           |             |                 |                    |            |                       |            |
| 1340071 .....                                    |             |                   |           |             |                 |                    |            |                       |            |
| STATES- 22                                       |             |                   |           |             | 25 DIFF.        | 12,123 1239        | 448 31     |                       |            |



| SIRES OF DATA DAUGHTER                          |  |  |  | AV. PRODUCTION OF DAU. |        |      |     | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |
|---|--|--|--|------------------------|--------|------|-----|---------------------|--------|-----|---------------|-----|
| HOLSTEIN  |  |  |  | RECORDS                | MILK   | TEST | FAT | AV.                 | MILK   | FAT | MILK          | FAT |
|   |  |  |  | NUMBER                 | L8     | %    | L8  | NUMBER              | L8     | L8  | L8            | L8  |
| 1340185 D CENTER TRI-WINNER.....                |  |  |  |                        |        |      |     |                     |        |     |               |     |
| 10-16-52 955619 4742681 8 NON-AI DAUGHTERS      |  |  |  | 13                     | 10,903 | 3.8  | 418 |                     |        |     |               |     |
| LISTED, 05-64 7 WITH HERD-MATES                 |  |  |  | 11                     | 11,299 | 3.8  | 432 | 7                   | 10,900 | 396 |               |     |
| STATES- 21                                      |  |  |  |                        |        |      |     | DIFF.               | 399    | 36  |               |     |
| 1340214 .....                                   |  |  |  | 6                      | 12,033 | 3.7  | 443 |                     |        |     |               |     |
| STATES- 21 6 NON-AI DAUGHTERS                   |  |  |  | 6                      | 12,033 | 3.7  | 443 | 14                  | 12,881 | 460 |               |     |
| 6 WITH HERD-MATES                               |  |  |  |                        |        |      |     | DIFF.               | 848-   | 17- |               |     |
| 1340297 MOREMILK GENIUS MADCAP LAD.....         |  |  |  |                        |        |      |     |                     |        |     |               |     |
| 02-12-57 1197326 4511163 10 NON-AI DAUGHTERS    |  |  |  | 11                     | 12,025 | 3.7  | 442 |                     |        |     |               |     |
| LISTED, 05-64 10 WITH HERD-MATES                |  |  |  | 11                     | 12,025 | 3.7  | 442 | 43                  | 12,868 | 474 |               |     |
| STATES- 56                                      |  |  |  |                        |        |      |     | DIFF.               | 843-   | 32- |               |     |
| 1340342 .....                                   |  |  |  | 7                      | 10,241 | 3.9  | 397 |                     |        |     |               |     |
| STATES- 46 7 NON-AI DAUGHTERS                   |  |  |  | 7                      | 10,241 | 3.9  | 397 | 32                  | 12,883 | 461 |               |     |
| 7 WITH HERD-MATES                               |  |  |  |                        |        |      |     | DIFF.               | 2642-  | 64- |               |     |
| 1340669 IRVINGTON PRIDE CMDMANDER.....          |  |  |  |                        |        |      |     |                     |        |     |               |     |
| 08-29-58 1112030 2728655 17 NON-AI DAUGHTERS    |  |  |  | 19                     | 12,758 | 3.6  | 457 |                     |        |     |               |     |
| AI STUD, 33-03 LISTED, 05-64 16 WITH HERD-MATES |  |  |  | 18                     | 12,937 | 3.5  | 456 | 49                  | 14,026 | 532 |               |     |
| STATES- 14,33,51                                |  |  |  |                        |        |      |     | DIFF.               | 1089-  | 76- |               |     |
| 1340681 .....                                   |  |  |  | 6                      | 12,897 | 3.9  | 509 |                     |        |     |               |     |
| STATES- 14 6 NON-AI DAUGHTERS                   |  |  |  | 6                      | 12,897 | 3.9  | 509 | 12                  | 12,152 | 465 |               |     |
| 6 WITH HERD-MATES                               |  |  |  |                        |        |      |     | DIFF.               | 745    | 44  |               |     |
| 1340761 .....                                   |  |  |  | 5                      | 12,274 | 3.8  | 465 |                     |        |     |               |     |
| STATES- 85 5 NON-AI DAUGHTERS                   |  |  |  | 7                      | 12,274 | 3.8  | 465 | 32                  | 12,418 | 458 |               |     |
| 5 WITH HERD-MATES                               |  |  |  |                        |        |      |     | DIFF.               | 144-   | 7   |               |     |
| 1340801 .....                                   |  |  |  | 5                      | 12,350 | 4.0  | 499 |                     |        |     |               |     |
| STATES- 23 5 NON-AI DAUGHTERS                   |  |  |  | 5                      | 12,350 | 4.0  | 499 | 8                   | 11,739 | 431 |               |     |
| 5 WITH HERD-MATES                               |  |  |  |                        |        |      |     | DIFF.               | 611    | 68  |               |     |
| 1340841 CHESTER HOME COMET SOVEREIGN.....       |  |  |  |                        |        |      |     |                     |        |     |               |     |
| 09-20-58 1070036 3664667 9 NON-AI DAUGHTERS     |  |  |  | 9                      | 8,518  | 3.9  | 336 |                     |        |     |               |     |
| LISTED, 03-64 9 WITH HERD-MATES                 |  |  |  | 9                      | 8,518  | 3.9  | 336 | 17                  | 10,974 | 423 |               |     |
| STATES- 35                                      |  |  |  |                        |        |      |     | DIFF.               | 2456-  | 87- |               |     |
| 1340853 .....                                   |  |  |  | 9                      | 11,423 | 3.4  | 388 |                     |        |     |               |     |
| STATES- 55 8 NON-AI DAUGHTERS                   |  |  |  | 11                     | 11,423 | 3.4  | 388 | 7                   | 10,993 | 375 |               |     |
| 8 WITH HERD-MATES                               |  |  |  | 10                     | 10,729 | 3.4  | 360 | DIFF.               | 264-   | 15- |               |     |
| 1340886 CHRISTY HIGH TRUMP.....                 |  |  |  |                        |        |      |     |                     |        |     |               |     |
| 09-02-58 1265747 2758955 8 NON-AI DAUGHTERS     |  |  |  | 8                      | 13,320 | 4.0  | 528 |                     |        |     |               |     |
| LISTED, 05-64 8 WITH HERD-MATES                 |  |  |  | 8                      | 13,320 | 4.0  | 528 | 56                  | 12,810 | 491 |               |     |
| STATES- 31                                      |  |  |  |                        |        |      |     | DIFF.               | 510    | 37  |               |     |
| 1340887 .....                                   |  |  |  | 8                      | 11,226 | 3.9  | 443 |                     |        |     |               |     |
| STATES- 43 8 NON-AI DAUGHTERS                   |  |  |  | 8                      | 11,226 | 3.9  | 443 | 27                  | 11,759 | 447 |               |     |
| 8 WITH HERD-MATES                               |  |  |  |                        |        |      |     | DIFF.               | 533-   | 4-  |               |     |
| 1340902 BUTTERFIELD SDVEREIGN REPRIDE.....      |  |  |  |                        |        |      |     |                     |        |     |               |     |
| 10-09-58 1007680 4273895 9 NON-AI DAUGHTERS     |  |  |  | 10                     | 12,352 | 3.4  | 426 |                     |        |     |               |     |
| LISTED, 05-64 9 WITH HERD-MATES                 |  |  |  | 9                      | 12,548 | 3.4  | 431 | 30                  | 13,980 | 474 |               |     |
| STATES- 55                                      |  |  |  |                        |        |      |     | DIFF.               | 1432-  | 43- |               |     |
| 1340940 .....                                   |  |  |  | 6                      | 13,021 | 3.8  | 490 |                     |        |     |               |     |
| STATES- 42 6 NON-AI DAUGHTERS                   |  |  |  | 10                     | 13,021 | 3.8  | 490 | 5                   | 12,047 | 485 |               |     |
| 6 WITH HERD-MATES                               |  |  |  |                        |        |      |     | DIFF.               | 974    | 5   |               |     |
| 1340956 .....                                   |  |  |  | 7                      | 9,716  | 3.6  | 345 |                     |        |     |               |     |
| STATES- 51 7 NON-AI DAUGHTERS                   |  |  |  | 7                      | 9,716  | 3.6  | 345 | 57                  | 10,315 | 364 |               |     |
| 7 WITH HERD-MATES                               |  |  |  |                        |        |      |     | DIFF.               | 599-   | 19- |               |     |
| 1341035 .....                                   |  |  |  | 7                      | 16,311 | 3.8  | 614 |                     |        |     |               |     |
| STATES- 23 7 NON-AI DAUGHTERS                   |  |  |  | 7                      | 16,311 | 3.8  | 614 | 13                  | 13,789 | 502 |               |     |
| 7 WITH HERD-MATES                               |  |  |  |                        |        |      |     | DIFF.               | 2522   | 112 |               |     |
| 1341139 .....                                   |  |  |  | 5                      | 9,866  | 3.4  | 337 |                     |        |     |               |     |
| STATES- 52 5 NON-AI DAUGHTERS                   |  |  |  | 5                      | 9,866  | 3.4  | 337 | 18                  | 12,662 | 428 |               |     |
| 5 WITH HERD-MATES                               |  |  |  |                        |        |      |     | DIFF.               | 2796-  | 91- |               |     |
| 1341149 JEWELHOLM SUPREME CYCLONE.....          |  |  |  |                        |        |      |     |                     |        |     |               |     |
| 11-01-58 1241487 4221250 11 NON-AI DAUGHTERS    |  |  |  | 13                     | 22,394 | 3.4  | 772 |                     |        |     |               |     |
| AI STUD, 31-02 LISTED, 03-64 11 WITH HERD-MATES |  |  |  | 13                     | 22,394 | 3.4  | 772 | 28                  | 18,469 | 655 |               |     |
| STATES- 16                                      |  |  |  |                        |        |      |     | DIFF.               | 3925   | 117 |               |     |
| 1341187 WHITE HEIGHTS INKA MARK.....            |  |  |  |                        |        |      |     |                     |        |     |               |     |
| 08-25-57 1124915 3671260 15 NON-AI DAUGHTERS    |  |  |  | 19                     | 12,084 | 3.8  | 460 |                     |        |     |               |     |
| LISTED, 11-63 15 WITH HERD-MATES                |  |  |  | 19                     | 12,084 | 3.8  | 460 | 24                  | 13,077 | 473 |               |     |
| STATES- 32,61                                   |  |  |  |                        |        |      |     | DIFF.               | 993-   | 13- |               |     |
| 1341264 .....                                   |  |  |  | 5                      | 14,506 | 3.7  | 530 |                     |        |     |               |     |
| STATES- 21 5 NON-AI DAUGHTERS                   |  |  |  | 5                      | 14,506 | 3.7  | 530 | 113                 | 14,271 | 501 |               |     |
| 5 WITH HERD-MATES                               |  |  |  |                        |        |      |     | DIFF.               | 235    | 29  |               |     |
| 1341279 .....                                   |  |  |  | 6                      | 10,739 | 3.6  | 385 |                     |        |     |               |     |
| STATES- 35 6 NON-AI DAUGHTERS                   |  |  |  | 6                      | 11,170 | 3.6  | 401 | 7                   | 10,685 | 388 |               |     |
| 6 WITH HERD-MATES                               |  |  |  |                        |        |      |     | DIFF.               | 485    | 13  |               |     |

## SIREs OF OHIA DAUGHTERS

| HOLSTEIN       |                                       |    |                  | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|----------------|---------------------------------------|----|------------------|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|                |                                       |    |                  | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1341318        | S C P IOEAL KING 8AP.....             |    |                  |                        |            |           |           |                     |            |           |               |           |
| 10-07-58       | 1013415 3333154                       | 27 | NON-AI DAUGHTERS | 28                     | 10,800     | 3.5       | 377       |                     |            |           |               |           |
|                | LISTED, 03-64                         | 27 | WITH HERD-MATES  | 28                     | 10,800     | 3.5       | 377       |                     |            |           |               |           |
| STATES-        | 56                                    |    |                  |                        |            |           |           | 71                  | 12,051     | 416       |               |           |
|                |                                       |    |                  |                        |            |           |           | OIFF.               | 1251-      | 39-       |               |           |
| 1341319        | S C P IOEAL KING AGATHA.....          |    |                  |                        |            |           |           |                     |            |           |               |           |
| 11-31-58       | 1013415 3494553                       | 16 | NON-AI DAUGHTERS | 16                     | 15,802     | 3.3       | 518       |                     |            |           |               |           |
|                | LISTED, 03-64                         | 16 | WITH HERD-MATES  | 16                     | 15,802     | 3.3       | 518       |                     |            |           |               |           |
| STATES-        | 56                                    |    |                  |                        |            |           |           | 92                  | 12,509     | 427       |               |           |
|                |                                       |    |                  |                        |            |           |           | OIFF.               | 3293       | 91        |               |           |
| 1341437        | LONELY ELM LOUIE 8URKE.....           |    |                  |                        |            |           |           |                     |            |           |               |           |
| 06-15-58       | 999678 3659037                        | 13 | NON-AI DAUGHTERS | 16                     | 14,089     | 3.6       | 507       |                     |            |           |               |           |
|                | LISTED, 03-64                         | 13 | WITH HERD-MATES  | 16                     | 14,089     | 3.6       | 507       |                     |            |           |               |           |
| STATES-        | 56,57                                 |    |                  |                        |            |           |           | 36                  | 13,885     | 521       |               |           |
|                |                                       |    |                  |                        |            |           |           | OIFF.               | 204        | 14-       |               |           |
| 1341465        | MODSEHEART ADMIRAL MASTER.....        |    |                  |                        |            |           |           |                     |            |           |               |           |
| 09-01-58       | 1156059 2811265                       | 10 | NON-AI DAUGHTERS | 10                     | 12,751     | 4.1       | 526       |                     |            |           |               |           |
|                | LISTED, 03-64                         | 10 | WITH HERD-MATES  | 10                     | 12,751     | 4.1       | 526       |                     |            |           |               |           |
| STATES-        | 33                                    |    |                  |                        |            |           |           | 14                  | 14,264     | 521       |               |           |
|                |                                       |    |                  |                        |            |           |           | OIFF.               | 1513-      | 5         |               |           |
| 1341474        | .....                                 |    |                  |                        |            |           |           |                     |            |           |               |           |
|                |                                       | 5  | NON-AI DAUGHTERS | 5                      | 13,094     | 3.6       | 470       |                     |            |           |               |           |
| STATES-        | 50                                    | 5  | WITH HERD-MATES  | 5                      | 13,094     | 3.6       | 470       |                     |            |           |               |           |
|                |                                       |    |                  |                        |            |           |           | 17                  | 13,418     | 512       |               |           |
|                |                                       |    |                  |                        |            |           |           | DIFF.               | 324-       | 42-       |               |           |
| 1341476        | .....                                 |    |                  |                        |            |           |           |                     |            |           |               |           |
|                |                                       | 5  | NDN-AI DAUGHTERS | 5                      | 12,302     | 3.5       | 426       |                     |            |           |               |           |
| STATES-        | 21                                    | 5  | WITH HERD-MATES  | 5                      | 12,302     | 3.5       | 426       |                     |            |           |               |           |
|                |                                       |    |                  |                        |            |           |           | 12                  | 13,103     | 459       |               |           |
|                |                                       |    |                  |                        |            |           |           | OIFF.               | 801-       | 33-       |               |           |
| 1341505        | WILLOMONTE WEBSTER OYNAMO - TWIN..... |    |                  |                        |            |           |           |                     |            |           |               |           |
| 08-24-58       | 1013415 3707852                       | 14 | NON-AI DAUGHTERS | 14                     | 17,584     | 3.4       | 596       |                     |            |           |               |           |
|                | LISTED, 03-64                         | 14 | WITH HERD-MATES  | 14                     | 17,584     | 3.4       | 596       |                     |            |           |               |           |
| STATES-        | 86                                    |    |                  |                        |            |           |           | 30                  | 16,750     | 563       |               |           |
|                |                                       |    |                  |                        |            |           |           | DIFF.               | 834        | 33        |               |           |
| 1341529        | THONYMA IOEAL SENATOR.....            |    |                  |                        |            |           |           |                     |            |           |               |           |
| 06-07-58       | 1013415 3908425                       | 9  | NON-AI DAUGHTERS | 10                     | 13,156     | 3.5       | 463       |                     |            |           |               |           |
|                | LISTED, 03-64                         | 9  | WITH HERD-MATES  | 10                     | 13,156     | 3.5       | 463       |                     |            |           |               |           |
| STATES-        | 48,73,74                              |    |                  |                        |            |           |           | 13                  | 14,714     | 540       |               |           |
|                |                                       |    |                  |                        |            |           |           | DIFF.               | 1558-      | 77-       |               |           |
| 1341539        | .....                                 |    |                  |                        |            |           |           |                     |            |           |               |           |
|                |                                       | 7  | NON-AI DAUGHTERS | 9                      | 12,056     | 3.7       | 447       |                     |            |           |               |           |
| STATES-        | 31                                    | 7  | WITH HERD-MATES  | 9                      | 12,056     | 3.7       | 447       |                     |            |           |               |           |
|                |                                       |    |                  |                        |            |           |           | 16                  | 12,870     | 461       |               |           |
|                |                                       |    |                  |                        |            |           |           | OIFF.               | 814-       | 14-       |               |           |
| 1341564        | WIS TYCOON.....                       |    |                  |                        |            |           |           |                     |            |           |               |           |
| 10-26-58       | 1283536 4250860                       | 9  | NON-AI DAUGHTERS | 10                     | 16,134     | 3.8       | 620       |                     |            |           |               |           |
|                | LISTED, 03-64                         | 9  | WITH HERD-MATES  | 10                     | 16,134     | 3.8       | 620       |                     |            |           |               |           |
| STATES-        | 41                                    |    |                  |                        |            |           |           | 13                  | 14,937     | 566       |               |           |
|                |                                       |    |                  |                        |            |           |           | OIFF.               | 1197       | 54        |               |           |
| 1341569        | WIS CROWN JEWEL.....                  |    |                  |                        |            |           |           |                     |            |           |               |           |
| 10-27-58       | 1189593 3630656                       | 12 | AI DAUGHTERS-09  | 12                     | 12,583     | 3.5       | 437       |                     |            |           |               |           |
| AI STUO, 35-05 | LISTED, 05-64                         | 12 | WITH HERD-MATES  | 12                     | 12,583     | 3.5       | 437       |                     |            |           |               |           |
| STATES-        | 35                                    |    |                  |                        |            |           |           | 7                   | 13,262     | 488       | 12,171        | 431       |
|                |                                       |    |                  |                        |            |           |           | OIFF.               | 679-       | 51-       |               |           |
| 1341603        | .....                                 |    |                  |                        |            |           |           |                     |            |           |               |           |
|                |                                       | 6  | NON-AI DAUGHTERS | 6                      | 14,582     | 3.6       | 521       |                     |            |           |               |           |
| STATES-        | 55                                    | 6  | WITH HERD-MATES  | 6                      | 14,582     | 3.6       | 521       |                     |            |           |               |           |
|                |                                       |    |                  |                        |            |           |           | 10                  | 12,325     | 457       |               |           |
|                |                                       |    |                  |                        |            |           |           | DIFF.               | 2257       | 64        |               |           |
| 1341695        | .....                                 |    |                  |                        |            |           |           |                     |            |           |               |           |
|                |                                       | 5  | NON-AI DAUGHTERS | 5                      | 12,410     | 3.2       | 391       |                     |            |           |               |           |
| STATES-        | 56                                    | 5  | WITH HERD-MATES  | 5                      | 12,410     | 3.2       | 391       |                     |            |           |               |           |
|                |                                       |    |                  |                        |            |           |           | 90                  | 12,030     | 407       |               |           |
|                |                                       |    |                  |                        |            |           |           | OIFF.               | 380        | 16-       |               |           |
| 1341697        | .....                                 |    |                  |                        |            |           |           |                     |            |           |               |           |
|                |                                       | 7  | NDN-AI DAUGHTERS | 7                      | 13,656     | 3.7       | 503       |                     |            |           |               |           |
| STATES-        | 32                                    | 7  | WITH HERD-MATES  | 7                      | 13,656     | 3.7       | 503       |                     |            |           |               |           |
|                |                                       |    |                  |                        |            |           |           | 10                  | 12,950     | 489       |               |           |
|                |                                       |    |                  |                        |            |           |           | OIFF.               | 706        | 14        |               |           |
| 1341737        | .....                                 |    |                  |                        |            |           |           |                     |            |           |               |           |
|                |                                       | 5  | NDN-AI DAUGHTERS | 5                      | 12,926     | 3.9       | 505       |                     |            |           |               |           |
| STATES-        | 21                                    | 5  | WITH HERD-MATES  | 5                      | 12,926     | 3.9       | 505       |                     |            |           |               |           |
|                |                                       |    |                  |                        |            |           |           | 19                  | 14,808     | 538       |               |           |
|                |                                       |    |                  |                        |            |           |           | DIFF.               | 1882-      | 33-       |               |           |
| 1341782        | .....                                 |    |                  |                        |            |           |           |                     |            |           |               |           |
|                |                                       | 6  | NON-AI DAUGHTERS | 6                      | 13,752     | 3.4       | 471       |                     |            |           |               |           |
| STATES-        | 35                                    | 6  | WITH HERD-MATES  | 6                      | 13,752     | 3.4       | 471       |                     |            |           |               |           |
|                |                                       |    |                  |                        |            |           |           | 10                  | 13,350     | 477       |               |           |
|                |                                       |    |                  |                        |            |           |           | DIFF.               | 402        | 6-        |               |           |
| 1341801        | OOREIGH FARMS OEAN SUPREME.....       |    |                  |                        |            |           |           |                     |            |           |               |           |
| 10-28-58       | 1286874 3442825                       | 10 | NON-AI DAUGHTERS | 13                     | 9,984      | 3.9       | 389       |                     |            |           |               |           |
|                | LISTED, 03-64                         | 10 | WITH HERD-MATES  | 13                     | 9,984      | 3.9       | 389       |                     |            |           |               |           |
| STATES-        | 21                                    |    |                  |                        |            |           |           | 19                  | 12,315     | 459       |               |           |
|                |                                       |    |                  |                        |            |           |           | OIFF.               | 2331-      | 70-       |               |           |
| 1341811        | .....                                 |    |                  |                        |            |           |           |                     |            |           |               |           |
|                |                                       | 5  | NDN-AI DAUGHTERS | 5                      | 15,104     | 4.0       | 606       |                     |            |           |               |           |
| STATES-        | 42                                    | 5  | WITH HERD-MATES  | 5                      | 15,104     | 4.0       | 606       |                     |            |           |               |           |
|                |                                       |    |                  |                        |            |           |           | 21                  | 14,525     | 567       |               |           |
|                |                                       |    |                  |                        |            |           |           | DIFF.               | 579        | 39        |               |           |
| 1341992        | SISSON FARMS KING BELLE ARAB.....     |    |                  |                        |            |           |           |                     |            |           |               |           |
| 06-30-58       | 1213698 4091714                       | 8  | NON-AI DAUGHTERS | 8                      | 11,789     | 3.7       | 435       |                     |            |           |               |           |
|                | LISTED, 03-64                         | 8  | WITH HERD-MATES  | 8                      | 11,789     | 3.7       | 435       |                     |            |           |               |           |
| STATES-        | 23                                    |    |                  |                        |            |           |           | 21                  | 11,248     | 389       |               |           |
|                |                                       |    |                  |                        |            |           |           | OIFF.               | 541        | 46        |               |           |
| 1342189        | .....                                 |    |                  |                        |            |           |           |                     |            |           |               |           |
|                |                                       | 5  | NON-AI DAUGHTERS | 5                      | 16,112     | 3.4       | 553       |                     |            |           |               |           |
| STATES-        | 82                                    | 5  | WITH HERD-MATES  | 5                      | 16,112     | 3.4       | 553       |                     |            |           |               |           |
|                |                                       |    |                  |                        |            |           |           | 30                  | 12,991     | 485       |               |           |
|                |                                       |    |                  |                        |            |           |           | OIFF.               | 3121       | 68        |               |           |
| 1342205        | .....                                 |    |                  |                        |            |           |           |                     |            |           |               |           |
|                |                                       | 10 | NON-AI DAUGHTERS | 10                     | 10,369     | 3.4       | 355       |                     |            |           |               |           |
| STATES-        | 45                                    | 10 | WITH HERD-MATES  | 10                     | 10,369     | 3.4       | 355       |                     |            |           |               |           |
|                |                                       |    |                  |                        |            |           |           | 17                  | 10,581     | 358       |               |           |
|                |                                       |    |                  |                        |            |           |           | OIFF.               | 212-       | 3-        |               |           |

| SIRE OF CHIA DAUGHTER                    |               |         |    |                  | AV. RECORDS | PRODUCTION MILK L8 | OF TEST % | OAU. FAT L8 | A0J. AV. NUMBER | HERO-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|--|---------------|---------|----|------------------|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| HOLSTEIN                                 |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 1342225 PENSTATE LUCIFER J TY VIC.....   |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 11-07-58                                 | 923749        | 3279561 | 75 | AI DAUGHTERS-25* | 77          | 12,590             | 3.8       | 474         |                 |                    |            |                   |            |
| AI STUD, 23-08                           | LISTED, 05-64 |         | 75 | WITH HERD-MATES  | 77          | 12,590             | 3.8       | 474         |                 |                    |            |                   |            |
| STATES-                                  | 23,50,51      |         |    |                  |             |                    |           |             | 16              | 13,705             | 524        | 11,618            | 418        |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 1115-              | 50-        |                   |            |
| 1342326 .....                            |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|  |               |         | 7  | NON-AI DAUGHTERS | 7           | 12,489             | 3.4       | 426         |                 |                    |            |                   |            |
| STATES-                                  | 35            |         | 7  | WITH HERD-MATES  | 7           | 12,489             | 3.4       | 426         |                 |                    |            |                   |            |
|  |               |         |    |                  |             |                    |           |             | 25              | 12,641             | 461        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 152-               | 35-        |                   |            |
| 1342332 .....                            |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|  |               |         | 5  | NON-AI DAUGHTERS | 5           | 16,566             | 3.6       | 590         |                 |                    |            |                   |            |
| STATES-                                  | 21            |         | 5  | WITH HERD-MATES  | 5           | 16,566             | 3.6       | 590         |                 |                    |            |                   |            |
|  |               |         |    |                  |             |                    |           |             | 11              | 15,177             | 546        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 1389               | 44         |                   |            |
| 1342601 LAUREL PARK ORMDYKE TRIUNE.....  |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| D9-10-57                                 | 961493        | 3874134 | 15 | NON-AI DAUGHTERS | 15          | 13,444             | 3.8       | 509         |                 |                    |            |                   |            |
|  | LISTED, 11-63 |         | 15 | WITH HERD-MATES  | 15          | 13,444             | 3.8       | 509         |                 |                    |            |                   |            |
| STATES-                                  | 23            |         |    |                  |             |                    |           |             | 19              | 14,812             | 518        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 1368-              | 9-         |                   |            |
| 1342619 .....                            |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|  |               |         | 7  | NON-AI DAUGHTERS | 7           | 12,766             | 4.2       | 535         |                 |                    |            |                   |            |
| STATES-                                  | 14            |         | 7  | WITH HERD-MATES  | 7           | 12,766             | 4.2       | 535         |                 |                    |            |                   |            |
|  |               |         |    |                  |             |                    |           |             | 12              | 11,376             | 443        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 1390               | 92         |                   |            |
| 1342657 HILLTOP TRANSMITTER FALCON.....  |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| D8-17-58                                 | 1059819       | 3129196 | 20 | NON-AI DAUGHTERS | 20          | 14,563             | 3.5       | 510         |                 |                    |            |                   |            |
|  | LISTED, 03-64 |         | 20 | WITH HERD-MATES  | 20          | 14,563             | 3.5       | 510         |                 |                    |            |                   |            |
| STATES-                                  | 12            |         |    |                  |             |                    |           |             | 28              | 12,732             | 476        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 1831               | 34         |                   |            |
| 1342819 .....                            |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|  |               |         | 6  | NON-AI DAUGHTERS | 6           | 11,468             | 3.6       | 416         |                 |                    |            |                   |            |
| STATES-                                  | 65,73         |         | 6  | WITH HERD-MATES  | 6           | 11,468             | 3.6       | 416         |                 |                    |            |                   |            |
|  |               |         |    |                  |             |                    |           |             | 18              | 11,990             | 423        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 522-               | 7-         |                   |            |
| 1342822 .....                            |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|  |               |         | 5  | NON-AI DAUGHTERS | 6           | 12,291             | 3.3       | 401         |                 |                    |            |                   |            |
| STATES-                                  | 35            |         | 5  | WITH HERD-MATES  | 6           | 12,291             | 3.3       | 401         |                 |                    |            |                   |            |
|  |               |         |    |                  |             |                    |           |             | 14              | 11,882             | 428        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 409                | 27-        |                   |            |
| 1342825 .....                            |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|  |               |         | 5  | NON-AI DAUGHTERS | 5           | 13,256             | 3.7       | 487         |                 |                    |            |                   |            |
| STATES-                                  | 35            |         | 5  | WITH HERD-MATES  | 5           | 13,256             | 3.7       | 487         |                 |                    |            |                   |            |
|  |               |         |    |                  |             |                    |           |             | 20              | 12,469             | 450        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 787                | 37         |                   |            |
| 1342853 EXRANCO PROSPECTOR.....          |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| D8-14-58                                 | 1282691       | 3644935 | 15 | NON-AI DAUGHTERS | 16          | 15,494             | 3.5       | 547         |                 |                    |            |                   |            |
|  | LISTED, 05-64 |         | 15 | WITH HERD-MATES  | 16          | 15,494             | 3.5       | 547         |                 |                    |            |                   |            |
| STATES-                                  | 93            |         |    |                  |             |                    |           |             | 110             | 15,274             | 543        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 220                | 4          |                   |            |
| 1343213 KAY-BEN CREAMELLE SCHOOLBOY..... |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| D6-07-58                                 | 1181068       | 3638109 | 13 | NON-AI DAUGHTERS | 16          | 13,859             | 3.6       | 498         |                 |                    |            |                   |            |
|  | LISTED, 11-63 |         | 13 | WITH HERD-MATES  | 16          | 13,859             | 3.6       | 498         |                 |                    |            |                   |            |
| STATES-                                  | 11            |         |    |                  |             |                    |           |             | 15              | 14,744             | 552        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 885-               | 54-        |                   |            |
| 1343249 .....                            |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|  |               |         | 7  | NON-AI DAUGHTERS | 7           | 19,256             | 3.5       | 667         |                 |                    |            |                   |            |
| STATES-                                  | 42            |         | 7  | WITH HERD-MATES  | 7           | 19,256             | 3.5       | 667         |                 |                    |            |                   |            |
|  |               |         |    |                  |             |                    |           |             | 17              | 17,956             | 629        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 1300               | 38         |                   |            |
| 1343270 STANWORTH CAPTAIN JUOE.....      |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 10-26-57                                 | 934021        | 3330057 | 9  | NON-AI DAUGHTERS | 12          | 13,956             | 3.7       | 521         |                 |                    |            |                   |            |
|  | LISTED, 11-63 |         | 9  | WITH HERD-MATES  | 12          | 13,956             | 3.7       | 521         |                 |                    |            |                   |            |
| STATES-                                  | 87            |         |    |                  |             |                    |           |             | 14              | 12,394             | 459        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 1562               | 62         |                   |            |
| 1343393 .....                            |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|  |               |         | 6  | NON-AI DAUGHTERS | 10          | 14,471             | 3.6       | 522         |                 |                    |            |                   |            |
| STATES-                                  | 23            |         | 6  | WITH HERD-MATES  | 10          | 14,471             | 3.6       | 522         |                 |                    |            |                   |            |
|  |               |         |    |                  |             |                    |           |             | 5               | 13,925             | 508        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 546                | 14         |                   |            |
| 1343490 .....                            |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|  |               |         | 6  | NON-AI DAUGHTERS | 6           | 12,380             | 3.9       | 483         |                 |                    |            |                   |            |
| STATES-                                  | 23            |         | 6  | WITH HERD-MATES  | 6           | 12,380             | 3.9       | 483         |                 |                    |            |                   |            |
|  |               |         |    |                  |             |                    |           |             | 15              | 12,620             | 502        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 240-               | 19-        |                   |            |
| 1343568 THE MEADOWS MATAOOR POSCH.....   |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 10-08-57                                 | 1256583       | 3900990 | 31 | NON-AI DAUGHTERS | 38          | 12,452             | 3.6       | 453         |                 |                    |            |                   |            |
|  | LISTED, 03-64 |         | 31 | WITH HERD-MATES  | 38          | 12,452             | 3.6       | 453         |                 |                    |            |                   |            |
| STATES-                                  | 42            |         |    |                  |             |                    |           |             | 34              | 12,434             | 457        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 18                 | 4-         |                   |            |
| 1343665 KEYSTONE IDEAL MARATHON.....     |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 10-09-58                                 | 1013415       | 3409763 | 75 | AI DAUGHTERS-25* | 77          | 15,068             | 3.7       | 562         |                 |                    |            |                   |            |
| AI STUD, 22-03                           | LISTED, 03-64 |         | 75 | WITH HERD-MATES  | 76          | 15,057             | 3.7       | 561         |                 |                    |            |                   |            |
| STATES-                                  | 21,22,23      |         |    |                  |             |                    |           |             | 23              | 14,757             | 554        | 12,926            | 470        |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 300                | 7          |                   |            |
|  |               |         | 13 | NON-AI DAUGHTERS | 13          | 14,703             | 3.7       | 540         |                 |                    |            |                   |            |
|  |               |         | 12 | WITH HERD-MATES  | 12          | 14,971             | 3.7       | 551         |                 |                    |            |                   |            |
|  |               |         |    |                  |             |                    |           |             | 40              | 14,194             | 523        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 777                | 28         |                   |            |
| 1343722 MACSFARM ECHO JOHN.....          |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| D8-01-58                                 | 1227400       | 3390963 | 15 | NON-AI DAUGHTERS | 17          | 11,764             | 3.5       | 407         |                 |                    |            |                   |            |
|  | LISTED, 11-63 |         | 15 | WITH HERD-MATES  | 17          | 11,764             | 3.5       | 407         |                 |                    |            |                   |            |
| STATES-                                  | 21            |         |    |                  |             |                    |           |             | 16              | 12,133             | 420        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 369-               | 13-        |                   |            |
| 1343734 IDEAL F08ES TIDY BURKE.....      |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
| 05-25-58                                 | 1235097       | 2477844 | 10 | NON-AI DAUGHTERS | 12          | 11,419             | 3.5       | 403         |                 |                    |            |                   |            |
|  | LISTED, 11-63 |         | 10 | WITH HERD-MATES  | 12          | 11,419             | 3.5       | 403         |                 |                    |            |                   |            |
| STATES-                                  | 48            |         |    |                  |             |                    |           |             | 5               | 9,740              | 367        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 1679               | 36         |                   |            |
| 1343737 .....                            |               |         |    |                  |             |                    |           |             |                 |                    |            |                   |            |
|  |               |         | 6  | NON-AI DAUGHTERS | 6           | 16,015             | 3.5       | 563         |                 |                    |            |                   |            |
| STATES-                                  | 31            |         | 6  | WITH HERD-MATES  | 6           | 16,015             | 3.5       | 563         |                 |                    |            |                   |            |
|  |               |         |    |                  |             |                    |           |             | 18              | 13,896             | 519        |                   |            |
|  |               |         |    |                  |             |                    |           |             | DIFF.           | 2119               | 44         |                   |            |



| SIRE OF OHIA DAUGHTERS                          |         |        |      |     | AV. PRODUCTION OF OAU. |        |     |     | ADJ. HERO-MATES AV. |        |     | PREDICTED AV. |     |
|---|---------|--------|------|-----|------------------------|--------|-----|-----|---------------------|--------|-----|---------------|-----|
| HOLSTEIN  | RECORDS | MILK   | TEST | FAT | NUMBER                 | L8     | %   | L8  | NUMBER              | MILK   | FAT | MILK          | FAT |
| 1343798 CEOARDALE CORPORAL.....                 |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| 10-03-58 1038118 3668847 11 NON-AI DAUGHTERS    | 11      | 13,016 | 4.4  | 569 |                        |        |     |     |                     |        |     |               |     |
| LISTED, 05-64 11 WITH HERD-MATES                | 11      | 13,016 | 4.4  | 569 |                        |        |     |     |                     |        |     |               |     |
| STATES- 13,21                                   |         |        |      |     |                        |        |     |     | 29                  | 14,526 | 564 |               |     |
|   |         |        |      |     |                        |        |     |     | DIFF.               | 1510-  | 5   |               |     |
| 1343817 .....                                   |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| STATES- 12                                      | 5       | 13,556 | 3.9  | 527 | 5                      | 13,556 | 3.9 | 527 | 7                   | 13,847 | 520 |               |     |
|   | 5       | 13,556 | 3.9  | 527 | 5                      | 13,556 | 3.9 | 527 | DIFF.               | 291-   | 7   |               |     |
| 1343821 COPRES PEARL LINECASTER.....            |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| 09-19-58 1029659 3288811 8 NON-AI DAUGHTERS     | 8       | 11,824 | 3.7  | 434 | 8                      | 11,824 | 3.7 | 434 |                     |        |     |               |     |
| LISTED, 03-64 8 WITH HERD-MATES                 | 8       | 11,824 | 3.7  | 434 | 8                      | 11,824 | 3.7 | 434 | 45                  | 13,811 | 515 |               |     |
| STATES- 34                                      |         |        |      |     |                        |        |     |     | DIFF.               | 1987-  | 81- |               |     |
| 1343917 .....                                   |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| STATES- 13                                      | 5       | 11,316 | 3.9  | 437 | 5                      | 11,316 | 3.9 | 437 | 9                   | 14,632 | 523 |               |     |
|   | 5       | 11,316 | 3.9  | 437 | 5                      | 11,316 | 3.9 | 437 | DIFF.               | 3316-  | 86- |               |     |
| 1343941 .....                                   |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| STATES- 46                                      | 5       | 13,544 | 3.9  | 529 | 6                      | 13,544 | 3.9 | 529 | 7                   | 13,647 | 529 |               |     |
|   | 5       | 13,544 | 3.9  | 529 | 6                      | 13,544 | 3.9 | 529 | DIFF.               | 103-   |     |               |     |
| 1344013 .....                                   |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| STATES- 35                                      | 6       | 10,443 | 3.5  | 367 | 7                      | 10,443 | 3.5 | 367 | 11                  | 11,641 | 421 |               |     |
|   | 6       | 10,443 | 3.5  | 367 | 7                      | 10,443 | 3.5 | 367 | DIFF.               | 1198-  | 54- |               |     |
| 1344026 KEI-OIC WINFARM ARISTOCRAT.....         |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| 04-01-58 1124780 2983120 8 NON-AI DAUGHTERS     | 10      | 17,337 | 3.4  | 590 | 10                     | 17,337 | 3.4 | 590 |                     |        |     |               |     |
| LISTED, 11-63 8 WITH HERD-MATES                 | 10      | 17,337 | 3.4  | 590 | 10                     | 17,337 | 3.4 | 590 | 7                   | 14,736 | 514 |               |     |
| STATES- 21                                      |         |        |      |     |                        |        |     |     | DIFF.               | 2601   | 76  |               |     |
| 1344318 FERNHAME BURKE REGAL CHIEFTAIN.....     |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| 04-20-58 1109864 3240240 16 NON-AI DAUGHTERS    | 19      | 14,430 | 3.8  | 550 | 18                     | 14,267 | 3.8 | 544 |                     |        |     |               |     |
| LISTED, 03-64 16 WITH HERD-MATES                | 18      | 14,267 | 3.8  | 544 | 18                     | 14,267 | 3.8 | 544 | 52                  | 14,949 | 578 |               |     |
| STATES- 22                                      |         |        |      |     |                        |        |     |     | DIFF.               | 682-   | 34- |               |     |
| 1344339 CHAIRALANE CHAMPION.....                |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| 11-16-57 1144238 4172613 17 NON-AI DAUGHTERS    | 20      | 14,131 | 3.9  | 548 | 20                     | 14,131 | 3.9 | 548 |                     |        |     |               |     |
| LISTED, 11-63 17 WITH HERD-MATES                | 20      | 14,131 | 3.9  | 548 | 20                     | 14,131 | 3.9 | 548 | 20                  | 14,529 | 568 |               |     |
| STATES- 82,87,91                                |         |        |      |     |                        |        |     |     | DIFF.               | 398-   | 20- |               |     |
| 1344341 .....                                   |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| STATES- 48                                      | 9       | 13,566 | 3.5  | 478 | 11                     | 13,566 | 3.5 | 478 | 6                   | 12,739 | 459 |               |     |
|   | 9       | 13,566 | 3.5  | 478 | 11                     | 13,566 | 3.5 | 478 | DIFF.               | 827    | 19  |               |     |
| 1344345 .....                                   |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| AI STUO, 35-02                                  | 7       | 15,660 | 3.5  | 542 | 7                      | 15,660 | 3.5 | 542 |                     |        |     |               |     |
| STATES- 13,35                                   | 7       | 15,660 | 3.5  | 542 | 7                      | 15,660 | 3.5 | 542 | 20                  | 14,584 | 524 |               |     |
|   |         |        |      |     |                        |        |     |     | DIFF.               | 1076   | 18  |               |     |
| 1344378 PAGELS ORMSBY POSCH NEPTUNE.....        |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| 03-01-58 910991 4051906 10 NON-AI DAUGHTERS     | 10      | 13,295 | 3.3  | 445 | 10                     | 13,295 | 3.3 | 445 |                     |        |     |               |     |
| LISTED, 05-64 10 WITH HERD-MATES                | 10      | 13,295 | 3.3  | 445 | 10                     | 13,295 | 3.3 | 445 | 12                  | 14,303 | 492 |               |     |
| STATES- 42                                      |         |        |      |     |                        |        |     |     | DIFF.               | 1008-  | 47- |               |     |
| 1344397 .....                                   |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| STATES- 93                                      | 6       | 14,840 | 3.6  | 536 | 6                      | 14,840 | 3.6 | 536 | 53                  | 14,783 | 541 |               |     |
|   | 6       | 14,840 | 3.6  | 536 | 6                      | 14,840 | 3.6 | 536 | DIFF.               | 57     | 5-  |               |     |
| 1344413 DUKE PRILLY PRIDE.....                  |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| 03-19-56 865323 3158031 21 NON-AI DAUGHTERS     | 41      | 11,703 | 3.6  | 419 | 40                     | 11,962 | 3.6 | 429 |                     |        |     |               |     |
| STATES- 32                                      | 40      | 11,962 | 3.6  | 429 | 40                     | 11,962 | 3.6 | 429 | 4                   | 11,928 | 441 |               |     |
|   |         |        |      |     |                        |        |     |     | DIFF.               | 34     | 12- |               |     |
| 1344464 WYLAMUNA LEADER LEROY.....              |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| 07-20-58 1290204 3438258 15 NON-AI DAUGHTERS    | 16      | 9,639  | 3.6  | 346 | 11                     | 9,927  | 3.6 | 356 |                     |        |     |               |     |
| LISTED, 03-64 10 WITH HERD-MATES                | 11      | 9,927  | 3.6  | 356 | 11                     | 9,927  | 3.6 | 356 | 7                   | 8,867  | 327 |               |     |
| STATES- 42                                      |         |        |      |     |                        |        |     |     | DIFF.               | 1060   | 29  |               |     |
| 1344516 .....                                   |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| STATES- 91                                      | 6       | 17,697 | 3.6  | 643 | 6                      | 17,697 | 3.6 | 643 | 57                  | 16,877 | 586 |               |     |
|   | 6       | 17,697 | 3.6  | 643 | 6                      | 17,697 | 3.6 | 643 | DIFF.               | 820    | 57  |               |     |
| 1344631 .....                                   |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| STATES- 35                                      | 5       | 13,373 | 3.5  | 470 | 6                      | 13,373 | 3.5 | 470 | 47                  | 12,092 | 460 |               |     |
|   | 5       | 13,373 | 3.5  | 470 | 6                      | 13,373 | 3.5 | 470 | DIFF.               | 1281   | 10  |               |     |
| 1344641 .....                                   |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| STATES- 14                                      | 5       | 16,336 | 4.1  | 665 | 4                      | 16,938 | 4.1 | 691 |                     |        |     |               |     |
|   | 4       | 16,938 | 4.1  | 691 | 4                      | 16,938 | 4.1 | 691 | 5                   | 16,417 | 615 |               |     |
|   |         |        |      |     |                        |        |     |     | DIFF.               | 521    | 76  |               |     |
| 1344651 .....                                   |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| STATES- 41                                      | 9       | 16,600 | 3.6  | 596 | 10                     | 16,600 | 3.6 | 596 | 7                   | 13,534 | 520 |               |     |
|   | 9       | 16,600 | 3.6  | 596 | 10                     | 16,600 | 3.6 | 596 | DIFF.               | 3066   | 76  |               |     |
| 1344679 RICVILLE FRASEA BUTTER 80Y.....         |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| 11-20-58 1152252 3694916 23 AI DAUGHTERS-19     | 23      | 13,570 | 3.7  | 508 | 23                     | 13,570 | 3.7 | 508 |                     |        |     |               |     |
| AI STUO, 91-01 LISTED, 05-64 23 WITH HERD-MATES | 23      | 13,570 | 3.7  | 508 | 23                     | 13,570 | 3.7 | 508 | 13                  | 14,234 | 517 | 12,154        | 453 |
| STATES- 81,82,91                                |         |        |      |     |                        |        |     |     | DIFF.               | 664-   | 9-  |               |     |
| 1344780 SUNNY SIDE STANDARD.....                |         |        |      |     |                        |        |     |     |                     |        |     |               |     |
| 09-16-58 1246145 3155596 8 NON-AI DAUGHTERS     | 12      | 11,115 | 3.7  | 415 | 12                     | 11,115 | 3.7 | 415 |                     |        |     |               |     |
| LISTED, 11-63 8 WITH HERD-MATES                 | 12      | 11,115 | 3.7  | 415 | 12                     | 11,115 | 3.7 | 415 | 13                  | 12,349 | 441 |               |     |
| STATES- 23                                      |         |        |      |     |                        |        |     |     | DIFF.               | 1234-  | 26- |               |     |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN                                |    |                  |    | AV. PRODUCTION OF DAU. | ADJ. HERO-MATES AV. | PREOICTED AV. |
|---|----|------------------|----|------------------------|---------------------|---------------|
|   |    |                  |    | RECDROS MILK TEST FAT  | AV. MILK FAT        | MILK FAT      |
|   |    |                  |    | NUMBER LB % LB         | NUMBER LB LB        | LB LB         |
| 1344787 .....                           | 6  | NDN-AI DAUGHTERS | 6  | 13,405 3.7 493         |                     |               |
| STATES- 21                              | 6  | WITH HERD-MATES  | 6  | 13,405 3.7 493         | 39 14,650 529       |               |
|   |    |                  |    |                        | DIFF. 1245-         | 36-           |
| 1344823 SHAWs SCHDDLMASTER GDLOEN.....  | 78 | AI DAUGHTERS-25* | 78 | 13,806 3.6 503         |                     |               |
| 11-06-58 1181058 2791982                | 76 | WITH HERD-MATES  | 76 | 13,746 3.6 500         | 25 14,254 516       | 12,187 446    |
| AI STUD, 21-01 LISTED, 05-64            |    |                  |    |                        | OIFF. 508-          | 16-           |
| STATES- 13,21,23                        | 1  | NON-AI DAUGHTERS | 1  | 15,910 3.6 568         | 28 14,465 513       |               |
|   | 1  | WITH HERD-MATES  | 1  | 15,910 3.6 568         | DIFF. 1445          | 55            |
| 1344840 .....                           | 5  | NDN-AI DAUGHTERS | 5  | 15,342 3.6 549         |                     |               |
| STATES- 21,32,34                        | 5  | WITH HERD-MATES  | 5  | 15,342 3.6 549         | 89 13,200 477       |               |
|   |    |                  |    |                        | DIFF. 2142          | 72            |
| 1344855 BACH FARM MEADOW DEAN MIKE..... | 14 | AI DAUGHTERS-13  | 14 | 12,327 3.6 442         |                     |               |
| 07-29-58 929962 3288843                 | 14 | WITH HERD-MATES  | 14 | 12,327 3.6 442         | 28 13,725 493       | 11,796 430    |
| AI STUD, 21-01 LISTED, 05-64            |    |                  |    |                        | OIFF. 1398-         | 51-           |
| STATES- 21                              |    |                  |    |                        |                     |               |
| 1344949 .....                           | 5  | NON-AI DAUGHTERS | 5  | 15,098 3.5 529         |                     |               |
| STATES- 21                              | 5  | WITH HERD-MATES  | 5  | 15,098 3.5 529         | 13 14,935 511       |               |
|   |    |                  |    |                        | OIFF. 163           | 18            |
| 1344978 .....                           | 5  | AI DAUGHTERS-05  | 6  | 12,983 3.7 483         |                     |               |
| AI STUD, 22-03                          | 5  | WITH HERD-MATES  | 6  | 12,983 3.7 483         | 19 12,412 467       | 12,635 460    |
| STATES- 21,22                           |    |                  |    |                        | OIFF. 571           | 16            |
| 1344999 FINEVIEW RDBURKE PRINCE.....    | 12 | NDN-AI DAUGHTERS | 12 | 12,309 3.6 444         |                     |               |
| 08-23-58 1024453 2916319                | 12 | WITH HERD-MATES  | 12 | 12,309 3.6 444         | 34 13,531 491       |               |
| LISTED, 05-64                           |    |                  |    |                        | DIFF. 1222-         | 47-           |
| STATES- 21                              |    |                  |    |                        |                     |               |
| 1345029 .....                           | 6  | NON-AI DAUGHTERS | 6  | 9,780 3.9 378          |                     |               |
| STATES- 35                              | 6  | WITH HERD-MATES  | 6  | 9,780 3.9 378          | 9 11,159 411        |               |
|   |    |                  |    |                        | DIFF. 1379-         | 33-           |
| 1345216 .....                           | 5  | NON-AI DAUGHTERS | 7  | 12,294 3.8 465         |                     |               |
| STATES- 51                              | 5  | WITH HERD-MATES  | 7  | 12,294 3.8 465         | 10 13,107 482       |               |
|   |    |                  |    |                        | OIFF. 813-          | 17-           |
| 1345431 .....                           | 9  | NDN-AI DAUGHTERS | 9  | 14,210 3.4 490         |                     |               |
| STATES- 93                              | 9  | WITH HERD-MATES  | 9  | 14,210 3.4 490         | 39 15,555 546       |               |
|   |    |                  |    |                        | OIFF. 1345-         | 56-           |
| 1345535 .....                           | 5  | NDN-AI DAUGHTERS | 5  | 13,156 3.5 458         |                     |               |
| STATES- 42                              | 5  | WITH HERD-MATES  | 5  | 13,156 3.5 458         | 4 10,900 391        |               |
|   |    |                  |    |                        | OIFF. 2256          | 67            |
| 1345558 .....                           | 6  | NON-AI DAUGHTERS | 6  | 11,317 3.9 444         |                     |               |
| STATES- 48                              | 6  | WITH HERD-MATES  | 6  | 11,317 3.9 444         | 23 11,957 450       |               |
|   |    |                  |    |                        | DIFF. 640-          | 6-            |
| 1345627 .....                           | 5  | NDN-AI DAUGHTERS | 5  | 11,964 3.8 452         |                     |               |
| STATES- 35                              | 5  | WITH HERD-MATES  | 5  | 11,964 3.8 452         | 11 13,393 479       |               |
|   |    |                  |    |                        | DIFF. 1429-         | 27-           |
| 1345647 .....                           | 5  | NDN-AI DAUGHTERS | 5  | 13,946 3.7 519         |                     |               |
| STATES- 50                              | 5  | WITH HERD-MATES  | 5  | 13,946 3.7 519         | 20 14,099 529       |               |
|   |    |                  |    |                        | DIFF. 153-          | 10-           |
| 1345691 BURKE DANDY RDELAND.....        | 11 | NON-AI DAUGHTERS | 13 | 12,464 3.6 443         |                     |               |
| 08-03-58 1088151 3322381                | 11 | WITH HERD-MATES  | 13 | 12,464 3.6 443         | 12 11,963 419       |               |
| LISTED, 03-64                           |    |                  |    |                        | DIFF. 501           | 24            |
| STATES- 74                              |    |                  |    |                        |                     |               |
| 1345944 .....                           | 7  | NDN-AI DAUGHTERS | 7  | 12,236 4.0 489         |                     |               |
| STATES- 41                              | 7  | WITH HERD-MATES  | 7  | 12,236 4.0 489         | 13 14,140 525       |               |
|   |    |                  |    |                        | DIFF. 1904-         | 36-           |
| 1345967 BILL BENEFACDOR KATHERINE.....  | 9  | NDN-AI DAUGHTERS | 10 | 11,857 3.8 456         |                     |               |
| 11-22-58 1132684 4032552                | 9  | WITH HERD-MATES  | 9  | 11,831 3.8 453         | 12 12,572 450       |               |
| LISTED, 03-64                           |    |                  |    |                        | DIFF. 741-          | 3             |
| STATES- 45                              |    |                  |    |                        |                     |               |
| 1345988 .....                           | 5  | NDN-AI DAUGHTERS | 5  | 12,790 3.9 495         |                     |               |
| STATES- 55                              | 5  | WITH HERD-MATES  | 5  | 12,790 3.9 495         | 7 10,870 389        |               |
|   |    |                  |    |                        | OIFF. 1920          | 106           |
| 1346121 TUM-A-LUM WDDOY MISTERY.....    | 22 | NDN-AI DAUGHTERS | 26 | 18,320 3.5 645         |                     |               |
| 01-09-58 1263981 3999206                | 22 | WITH HERD-MATES  | 26 | 18,320 3.5 645         | 12 14,947 543       |               |
| AI STUD, 31-02 LISTED, 03-64            |    |                  |    |                        | OIFF. 3373          | 102           |
| STATES- 15,16                           |    |                  |    |                        |                     |               |
| 1346446 .....                           | 5  | AI DAUGHTERS-05  | 5  | 12,070 3.8 456         |                     |               |
| AI STUD, 22-01                          | 5  | WITH HERD-MATES  | 5  | 12,070 3.8 456         | 9 13,829 517        | 12,000 439    |
| STATES- 22,23                           |    |                  |    |                        | DIFF. 1759-         | 61-           |

# SIRES OF OHIA DAUGHTERS

| NAME OF COW OR CALF                             |         |        |      | AV. PRODUCTION OF | AOJ.   | HERD-MATES | AV.  | PREICTED | AV. |
|---|---------|--------|------|-------------------|--------|------------|------|----------|-----|
| HOLSTEIN  | RECORDS | MILK   | TEST | FAT               | AV.    | MILK       | FAT  | MILK     | FAT |
|   | NUMBER  | L8     | %    | L8                | NUMBER | L8         | L8   | L8       | L8  |
| 1346506 SMOKER LOLLIE FAVORITE LAO.....         | 17      | 14,161 | 3.7  | 526               |        |            |      |          |     |
| 11-15-58 1160414 2931936 16 NON-AI DAUGHTERS    | 16      | 14,085 | 3.7  | 521               |        |            |      |          |     |
| STATES- 42 LISTED, 05-64 15 WITH HERD-MATES     |         |        |      |                   | 24     | 13,858     | 492  |          |     |
|   |         |        |      |                   | OIFF.  | 227        | 29   |          |     |
| 1346611 .....                                   | 5       | 13,600 | 3.7  | 506               |        |            |      |          |     |
| STATES- 12 5 NON-AI DAUGHTERS                   | 5       | 13,600 | 3.7  | 506               | 12     | 15,036     | 587  |          |     |
|   |         |        |      |                   | OIFF.  | 1436-      | 81-  |          |     |
| 1346652 AMES A FUTURE.....                      | 6       | 16,565 | 3.7  | 615               |        |            |      |          |     |
| 10-24-58 1274329 3046151 6 AI DAUGHTERS-02      | 6       | 16,565 | 3.7  | 615               | 22     | 17,593     | 615  | 12,301   | 460 |
| AI STUO, 42-08 LISTED, 05-64 6 WITH HERD-MATES  |         |        |      |                   | OIFF.  | 1028-      |      |          |     |
| STATES- 42 2 NON-AI DAUGHTERS                   | 2       | 20,485 | 3.4  | 699               | 19     | 19,249     | 667  |          |     |
|   | 2       | 20,485 | 3.4  | 699               | OIFF.  | 1236       | 32   |          |     |
| 1346797 .....                                   | 7       | 13,924 | 3.5  | 482               |        |            |      |          |     |
| STATES- 32 6 NON-AI DAUGHTERS                   | 7       | 13,924 | 3.5  | 482               | 41     | 15,108     | 517  |          |     |
|   |         |        |      |                   | OIFF.  | 1184-      | 35-  |          |     |
| 1346801 ADMIRAL OUNLOGGIN KING.....             | 13      | 13,686 | 3.6  | 486               |        |            |      |          |     |
| 04-14-58 1009092 3448075 11 NON-AI DAUGHTERS    | 13      | 13,686 | 3.6  | 486               | 32     | 14,863     | 525  |          |     |
| STATES- 52 LISTED, 11-63 11 WITH HERD-MATES     |         |        |      |                   | OIFF.  | 1177-      | 39-  |          |     |
| 1346840 .....                                   | 8       | 16,346 | 3.5  | 569               |        |            |      |          |     |
| STATES- 31 7 NON-AI DAUGHTERS                   | 8       | 16,346 | 3.5  | 569               | 8      | 15,700     | 562  |          |     |
|   |         |        |      |                   | OIFF.  | 646        | 7    |          |     |
| 1346859 GEORGETH OLIVER OSCAR.....              | 19      | 11,311 | 3.5  | 401               |        |            |      |          |     |
| 11-03-58 1102436 3651027 17 AI DAUGHTERS-17     | 19      | 11,311 | 3.5  | 401               | 16     | 13,228     | 480  | 11,403   | 410 |
| AI STUO, 21-01 LISTED, 05-64 17 WITH HERD-MATES |         |        |      |                   | OIFF.  | 1917-      | 79-  |          |     |
| STATES- 13,21 1 NON-AI DAUGHTERS                | 1       | 9,180  | 3.6  | 335               | 13     | 11,609     | 434  |          |     |
|   | 1       | 9,180  | 3.6  | 335               | OIFF.  | 2429-      | 99-  |          |     |
| 1347010 .....                                   | 5       | 14,880 | 3.7  | 553               |        |            |      |          |     |
| STATES- 42 5 NON-AI DAUGHTERS                   | 5       | 14,880 | 3.7  | 553               | 10     | 14,004     | 511  |          |     |
|   |         |        |      |                   | OIFF.  | 876        | 42   |          |     |
| 1347047 .....                                   | 5       | 11,798 | 3.9  | 458               |        |            |      |          |     |
| STATES- 23 5 NON-AI DAUGHTERS                   | 5       | 11,798 | 3.9  | 458               | 6      | 13,025     | 500  |          |     |
|   |         |        |      |                   | OIFF.  | 1227-      | 42-  |          |     |
| 1347065 .....                                   | 6       | 12,170 | 3.8  | 465               |        |            |      |          |     |
| AI STUO, 41-25 6 AI DAUGHTERS-05                | 6       | 12,170 | 3.8  | 465               | 11     | 12,122     | 437  | 12,475   | 464 |
| STATES- 47 6 WITH HERD-MATES                    |         |        |      |                   | OIFF.  | 48         | 28   |          |     |
|   | 7       | 15,649 | 3.5  | 554               | 9      | 13,862     | 514  |          |     |
|   | 6       | 16,759 | 3.6  | 595               | OIFF.  | 2897       | 81   |          |     |
| 1347140 .....                                   | 7       | 11,823 | 3.5  | 417               |        |            |      |          |     |
| STATES- 52 7 NON-AI DAUGHTERS                   | 7       | 11,823 | 3.5  | 417               | 26     | 12,945     | 458  |          |     |
|   |         |        |      |                   | OIFF.  | 1122-      | 41-  |          |     |
| 1347222 FREERS POSCH ORMSBY DEAN.....           | 10      | 13,245 | 3.6  | 471               |        |            |      |          |     |
| 05-11-57 1085978 3788105 10 NON-AI DAUGHTERS    | 10      | 13,245 | 3.6  | 471               | 7      | 13,121     | 489  |          |     |
| STATES- 21 LISTED, 03-64 10 WITH HERD-MATES     |         |        |      |                   | OIFF.  | 124        | 18-  |          |     |
| 1347278 .....                                   | 7       | 15,444 | 3.5  | 539               |        |            |      |          |     |
| STATES- 42 7 NON-AI DAUGHTERS                   | 7       | 15,444 | 3.5  | 539               | 9      | 12,976     | 466  |          |     |
|   |         |        |      |                   | OIFF.  | 2468       | 73   |          |     |
| 1347348 .....                                   | 6       | 10,778 | 3.7  | 398               |        |            |      |          |     |
| STATES- 61 6 NON-AI DAUGHTERS                   | 6       | 10,778 | 3.7  | 398               | 4      | 13,296     | 505  |          |     |
|   |         |        |      |                   | OIFF.  | 2518-      | 107- |          |     |
| 1347450 .....                                   | 5       | 11,756 | 3.6  | 423               |        |            |      |          |     |
| STATES- 35 5 NON-AI DAUGHTERS                   | 5       | 11,756 | 3.6  | 423               | 8      | 12,158     | 467  |          |     |
|   |         |        |      |                   | OIFF.  | 402-       | 44-  |          |     |
| 1347623 CARNATION MAOCAP CROWN PRINCE.....      | 30      | 10,016 | 3.7  | 371               |        |            |      |          |     |
| 12-23-58 1152252 2806672 29 AI DAUGHTERS-23     | 29      | 10,138 | 3.7  | 377               | 15     | 12,607     | 450  | 10,752   | 404 |
| AI STUO, 61-01 LISTED, 05-64 28 WITH HERD-MATES |         |        |      |                   | OIFF.  | 2469-      | 73-  |          |     |
| STATES- 61,65 5 NON-AI DAUGHTERS                | 5       | 13,838 | 3.8  | 519               | 23     | 14,304     | 510  |          |     |
|   | 5       | 13,838 | 3.8  | 519               | OIFF.  | 466-       | 9    |          |     |
| 1347627 SPRUCEGATE AMBASSADOR OZZIE.....        | 21      | 12,022 | 3.6  | 438               |        |            |      |          |     |
| 01-16-59 1102436 2992503 21 AI DAUGHTERS-21     | 21      | 12,022 | 3.6  | 438               | 16     | 13,136     | 479  | 11,811   | 430 |
| AI STUO, 21-01 LISTED, 05-64 21 WITH HERD-MATES |         |        |      |                   | OIFF.  | 1114-      | 41-  |          |     |
| STATES- 21 .....                                | 6       | 15,847 | 3.5  | 561               |        |            |      |          |     |
| STATES- 91 6 NON-AI DAUGHTERS                   | 6       | 15,847 | 3.5  | 561               | 16     | 15,400     | 565  |          |     |
|   |         |        |      |                   | OIFF.  | 447        | 4-   |          |     |
| 1347646 .....                                   | 6       | 13,237 | 3.6  | 474               |        |            |      |          |     |
| STATES- 48 6 NON-AI DAUGHTERS                   | 6       | 13,237 | 3.6  | 474               | 12     | 12,279     | 435  |          |     |
|   |         |        |      |                   | OIFF.  | 958        | 39   |          |     |



## SIREs OF DHIA DAUGHTERS

| STATES OF DATA SUBCOMMITTEE |                                     |         |    |                  | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |     |        |        |      |        |     |
|-----------------------------|-------------------------------------|---------|----|------------------|------------------------|---------------------|---------------|-----|--------|--------|------|--------|-----|
| HOLSTEIN                    |                                     |         |    |                  | RECDROS                | MILK                | TEST          | FAT | NUMBER | MILK   | FAT  | MILK   | FAT |
|                             |                                     |         |    |                  | NUMBER                 | LB                  | %             | LB  |        |        |      | LB     | LB  |
| 1347738                     | PIETERTJE MAN-D-WAR APEX.....       |         |    |                  |                        |                     |               |     |        |        |      |        |     |
| 07-18-57                    | 1292428                             | 3894505 | 23 | NDN-AI DAUGHTERS | 24                     | 12,666              | 3.4           | 435 |        |        |      |        |     |
|                             | LISTED, 03-64                       |         | 20 | WITH HERD-MATES  | 21                     | 12,345              | 3.5           | 428 |        |        |      |        |     |
| STATES- 41                  |                                     |         |    |                  |                        |                     |               |     | 10     | 13,450 | 467  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 1105-  | 39-  |        |     |
| 1347749                     | .....                               |         |    |                  |                        |                     |               |     |        |        |      |        |     |
|                             |                                     |         | 6  | NDN-AI DAUGHTERS | 6                      | 10,690              | 4.1           | 437 |        |        |      |        |     |
| STATES- 23                  |                                     |         | 6  | WITH HERD-MATES  | 6                      | 10,690              | 4.1           | 437 |        |        |      |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | 25     | 12,332 | 460  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 1642-  | 23-  |        |     |
| 1347778                     | KRACHT BLACK 8DY.....               |         |    |                  |                        |                     |               |     |        |        |      |        |     |
| 12-12-56                    | 1182598                             | 3334541 | 13 | NDN-AI DAUGHTERS | 13                     | 15,450              | 3.7           | 568 |        |        |      |        |     |
|                             | LISTED, 03-64                       |         | 12 | WITH HERD-MATES  | 12                     | 15,703              | 3.7           | 577 |        |        |      |        |     |
| STATES- 42                  |                                     |         |    |                  |                        |                     |               |     | 2      | 13,845 | 504  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 1858   | 73   |        |     |
| 1347918                     | MEL-ETTA LEADER LUCIFER DEACDN..... |         |    |                  |                        |                     |               |     |        |        |      |        |     |
| 02-09-58                    | 769170                              | 4497051 | 26 | AI DAUGHTERS-24  | 27                     | 13,672              | 3.7           | 505 |        |        |      |        |     |
| AI STUD, 22-03              | LISTED, 03-64                       |         | 25 | WITH HERD-MATES  | 26                     | 13,955              | 3.7           | 514 |        |        |      |        |     |
| STATES- 22                  |                                     |         |    |                  |                        |                     |               |     | 35     | 13,712 | 505  | 12,717 | 464 |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 243    | 9    |        |     |
| 1347940                     | WHIRLHILL KINGPIN.....              |         |    |                  |                        |                     |               |     |        |        |      |        |     |
| 02-13-59                    | 1104074                             | 4227925 | 72 | AI DAUGHTERS-25* | 72                     | 14,869              | 3.7           | 557 |        |        |      |        |     |
| AI STUD, 23-02              | LISTED, 05-64                       |         | 70 | WITH HERD-MATES  | 70                     | 14,952              | 3.7           | 558 |        |        |      |        |     |
| STATES- 23                  |                                     |         |    |                  |                        |                     |               |     | 13     | 13,741 | 513  | 13,608 | 498 |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 1211   | 45   |        |     |
|                             |                                     |         | 1  | NDN-AI DAUGHTERS | 1                      | 9,290               | 4.0           | 368 |        |        |      |        |     |
|                             |                                     |         | 1  | WITH HERD-MATES  | 1                      | 9,290               | 4.0           | 368 |        |        |      |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | 7      | 12,602 | 455  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 3312-  | 87-  |        |     |
| 1348029                     | .....                               |         |    |                  |                        |                     |               |     |        |        |      |        |     |
|                             |                                     |         | 5  | NDN-AI DAUGHTERS | 6                      | 13,442              | 4.0           | 538 |        |        |      |        |     |
| STATES- 21                  |                                     |         | 5  | WITH HERD-MATES  | 6                      | 13,442              | 4.0           | 538 |        |        |      |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | 13     | 13,371 | 485  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 71     | 53   |        |     |
| 1348046                     | .....                               |         |    |                  |                        |                     |               |     |        |        |      |        |     |
|                             |                                     |         | 15 | NDN-AI DAUGHTERS | 15                     | 12,735              | 3.5           | 448 |        |        |      |        |     |
| STATES- 55                  |                                     |         | 15 | WITH HERD-MATES  | 15                     | 12,735              | 3.5           | 448 |        |        |      |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | 21     | 13,436 | 469  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 701-   | 21-  |        |     |
| 1348120                     | MAPLE AVE ADMIRAL RECD COMET.....   |         |    |                  |                        |                     |               |     |        |        |      |        |     |
| 02-25-58                    | 1245674                             | 3662226 | 9  | NDN-AI DAUGHTERS | 14                     | 15,314              | 3.2           | 495 |        |        |      |        |     |
|                             | LISTED, 11-63                       |         | 8  | WITH HERD-MATES  | 13                     | 15,105              | 3.2           | 489 |        |        |      |        |     |
| STATES- 35                  |                                     |         |    |                  |                        |                     |               |     | 23     | 14,021 | 473  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 1084   | 16   |        |     |
| 1348245                     | .....                               |         |    |                  |                        |                     |               |     |        |        |      |        |     |
|                             |                                     |         | 5  | NDN-AI DAUGHTERS | 5                      | 15,938              | 3.5           | 551 |        |        |      |        |     |
| STATES- 35                  |                                     |         | 5  | WITH HERD-MATES  | 5                      | 15,938              | 3.5           | 551 |        |        |      |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | 12     | 13,611 | 499  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 2327   | 52   |        |     |
| 1348249                     | HEMDNDS DAUNTLESS TIDY SUPER.....   |         |    |                  |                        |                     |               |     |        |        |      |        |     |
| 12-01-58                    | 1263180                             | 3813945 | 10 | NDN-AI DAUGHTERS | 13                     | 14,671              | 3.7           | 544 |        |        |      |        |     |
|                             | LISTED, 11-63                       |         | 10 | WITH HERD-MATES  | 12                     | 14,897              | 3.7           | 554 |        |        |      |        |     |
| STATES- 11,16               |                                     |         |    |                  |                        |                     |               |     | 24     | 14,693 | 570  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 204    | 16-  |        |     |
| 1348259                     | AIRYTDPIR SEELY PARST DRLD.....     |         |    |                  |                        |                     |               |     |        |        |      |        |     |
| 10-13-58                    | 1102436                             | 3304894 | 41 | AI DAUGHTERS-25* | 42                     | 14,949              | 3.6           | 535 |        |        |      |        |     |
| AI STUD, 21-01              | LISTED, 05-64                       |         | 40 | WITH HERD-MATES  | 41                     | 14,856              | 3.6           | 531 |        |        |      |        |     |
| STATES- 13,21               |                                     |         |    |                  |                        |                     |               |     | 26     | 13,958 | 505  | 13,267 | 479 |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 898    | 26   |        |     |
| 1348275                     | MARDY MODEL DRMSBY DUKE.....        |         |    |                  |                        |                     |               |     |        |        |      |        |     |
| 10-18-58                    | 1216668                             | 2800130 | 8  | NDN-AI DAUGHTERS | 8                      | 11,725              | 3.4           | 395 |        |        |      |        |     |
|                             | LISTED, 03-64                       |         | 8  | WITH HERD-MATES  | 8                      | 11,725              | 3.4           | 395 |        |        |      |        |     |
| STATES- 21                  |                                     |         |    |                  |                        |                     |               |     | 16     | 13,828 | 507  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 2103-  | 112- |        |     |
| 1348281                     | .....                               |         |    |                  |                        |                     |               |     |        |        |      |        |     |
|                             |                                     |         | 9  | AI DAUGHTERS-08  | 9                      | 11,010              | 3.9           | 432 |        |        |      |        |     |
| AI STUD, 23-07              |                                     |         | 8  | WITH HERD-MATES  | 8                      | 10,794              | 3.9           | 423 |        |        |      |        |     |
| STATES- 22,23               |                                     |         |    |                  |                        |                     |               |     | 17     | 13,237 | 503  | 11,525 | 425 |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 2443-  | 80-  |        |     |
|                             |                                     |         | 1  | NDN-AI DAUGHTERS | 1                      | 15,990              | 3.9           | 622 |        |        |      |        |     |
|                             |                                     |         | 1  | WITH HERD-MATES  | 1                      | 15,990              | 3.9           | 622 |        |        |      |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | 10     | 14,417 | 552  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 1573   | 70   |        |     |
| 1348283                     | .....                               |         |    |                  |                        |                     |               |     |        |        |      |        |     |
|                             |                                     |         | 5  | NDN-AI DAUGHTERS | 6                      | 13,874              | 3.8           | 526 |        |        |      |        |     |
| STATES- 23,32               |                                     |         | 5  | WITH HERD-MATES  | 6                      | 13,874              | 3.8           | 526 |        |        |      |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | 17     | 14,180 | 519  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 306-   | 7    |        |     |
| 1348312                     | .....                               |         |    |                  |                        |                     |               |     |        |        |      |        |     |
|                             |                                     |         | 15 | NDN-AI DAUGHTERS | 15                     | 11,294              | 3.4           | 379 |        |        |      |        |     |
| STATES- 43                  |                                     |         | 15 | WITH HERD-MATES  | 15                     | 11,294              | 3.4           | 379 |        |        |      |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | 17     | 12,074 | 430  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 780-   | 51-  |        |     |
| 1348370                     | .....                               |         |    |                  |                        |                     |               |     |        |        |      |        |     |
|                             |                                     |         | 7  | NDN-AI DAUGHTERS | 7                      | 13,114              | 3.5           | 463 |        |        |      |        |     |
| STATES- 41                  |                                     |         | 7  | WITH HERD-MATES  | 7                      | 13,114              | 3.5           | 463 |        |        |      |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | 5      | 12,804 | 452  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 310    | 11   |        |     |
| 1348420                     | FDBES MDDNLIGHT DALE RDAMER.....    |         |    |                  |                        |                     |               |     |        |        |      |        |     |
| 01-02-59                    | 1166103                             | 3665685 | 8  | NON-AI DAUGHTERS | 8                      | 12,428              | 3.6           | 449 |        |        |      |        |     |
|                             | LISTED, 05-64                       |         | 8  | WITH HERD-MATES  | 8                      | 12,428              | 3.6           | 449 |        |        |      |        |     |
| STATES- 35                  |                                     |         |    |                  |                        |                     |               |     | 12     | 11,810 | 436  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 618    | 13   |        |     |
| 1348432                     | .....                               |         |    |                  |                        |                     |               |     |        |        |      |        |     |
|                             |                                     |         | 5  | NDN-AI DAUGHTERS | 5                      | 15,218              | 3.9           | 589 |        |        |      |        |     |
| STATES- 35                  |                                     |         | 5  | WITH HERD-MATES  | 5                      | 15,218              | 3.9           | 589 |        |        |      |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | 14     | 12,958 | 484  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 2260   | 105  |        |     |
| 1348470                     | .....                               |         |    |                  |                        |                     |               |     |        |        |      |        |     |
|                             |                                     |         | 5  | NDN-AI DAUGHTERS | 5                      | 11,116              | 3.8           | 417 |        |        |      |        |     |
| STATES- 57                  |                                     |         | 5  | WITH HERD-MATES  | 5                      | 11,116              | 3.8           | 417 |        |        |      |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | 40     | 12,045 | 448  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 929-   | 31-  |        |     |
| 1348479                     | SDUTHLAND ABBEKERK ALFEY.....       |         |    |                  |                        |                     |               |     |        |        |      |        |     |
| 07-13-58                    | 1001736                             | 3909691 | 20 | NON-AI DAUGHTERS | 22                     | 10,254              | 3.8           | 387 |        |        |      |        |     |
|                             | LISTED, 03-64                       |         | 20 | WITH HERD-MATES  | 22                     | 10,254              | 3.8           | 387 |        |        |      |        |     |
| STATES- 57                  |                                     |         |    |                  |                        |                     |               |     | 35     | 12,192 | 447  |        |     |
|                             |                                     |         |    |                  |                        |                     |               |     | DIFF.  | 1938-  | 60-  |        |     |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN                                  |    |                  |    | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV.    |
|---|----|------------------|----|------------------------|---------------------|----------------------|
|   |    |                  |    | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT             |
|   |    |                  |    | NUMBER L8 % L8         | NUMBER L8 L8        | L8 L8                |
| 1348705 .....                             | 5  | NDN-AI DAUGHTERS | 5  | 9,144 3.9 354          |                     |                      |
| STATES- 33                                | 4  | WITH HERD-MATES  | 4  | 9,393 3.9 365          | 16 DIFF. 14,800 535 | 5407- 170-           |
| 1348888 .....                             | 12 | NDN-AI DAUGHTERS | 15 | 13,655 3.5 479         |                     |                      |
| STATES- 35,61                             | 12 | WITH HERD-MATES  | 15 | 13,655 3.5 479         | 22 DIFF. 12,127 439 | 1528 40              |
| 1348921 LDR-MAR FASHION SDVEREIGN.....    |    |                  |    |                        |                     |                      |
| 12-06-58 1220447 2858930                  | 8  | NDN-AI DAUGHTERS | 8  | 12,249 3.5 427         |                     |                      |
| LISTED, 03-64                             | 8  | WITH HERD-MATES  | 8  | 12,249 3.5 427         | 13 DIFF. 11,964 421 | 285 6                |
| STATES- 33                                |    |                  |    |                        |                     |                      |
| 1348982 WILLOW RIDGE ADAM.....            |    |                  |    |                        |                     |                      |
| 11-06-58 1151311 4072934                  | 9  | NDN-AI DAUGHTERS | 9  | 14,688 3.8 561         |                     |                      |
| LISTED, 03-64                             | 9  | WITH HERD-MATES  | 9  | 14,688 3.8 561         | 19 DIFF. 13,551 523 | 1137 38              |
| STATES- 23                                |    |                  |    |                        |                     |                      |
| 1348983 WILLOW RIDGE REGAL JIGGS.....     |    |                  |    |                        |                     |                      |
| 10-29-58 1109864 3647404                  | 9  | NDN-AI DAUGHTERS | 9  | 12,182 3.8 464         |                     |                      |
| LISTED, 03-64                             | 9  | WITH HERD-MATES  | 9  | 12,182 3.8 464         | 4 DIFF. 15,883 554  | 3701- 90-            |
| STATES- 23                                |    |                  |    |                        |                     |                      |
| 1349013 NACHES MADCAP VALIANT.....        |    |                  |    |                        |                     |                      |
| 08-31-58 1249795 3612802                  | 18 | NDN-AI DAUGHTERS | 18 | 14,246 4.0 574         |                     |                      |
| LISTED, 05-64                             | 18 | WITH HERD-MATES  | 18 | 14,246 4.0 574         | 19 DIFF. 13,867 531 | 379 43               |
| STATES- 87                                |    |                  |    |                        |                     |                      |
| 1349179 RDSNHDLN VIGD TOPPER.....         |    |                  |    |                        |                     |                      |
| 06-22-58 1265809 2914371                  | 9  | NDN-AI DAUGHTERS | 10 | 12,276 3.5 428         |                     |                      |
| LISTED, 11-63                             | 9  | WITH HERD-MATES  | 10 | 12,276 3.5 428         | 12 DIFF. 12,527 417 | 251- 11              |
| STATES- 35                                |    |                  |    |                        |                     |                      |
| 1349375 RAY 8DN SPIFFY PILD.....          |    |                  |    |                        |                     |                      |
| 04-28-58 1094305 4028612                  | 29 | NDN-AI DAUGHTERS | 34 | 14,765 3.7 543         |                     |                      |
| LISTED, 03-64                             | 29 | WITH HERD-MATES  | 34 | 14,765 3.7 543         | 51 DIFF. 13,037 451 | 1728 92              |
| STATES- 84                                |    |                  |    |                        |                     |                      |
| 1349409 EHREDT PANSY TDVARICH DRMSBY..... |    |                  |    |                        |                     |                      |
| 11-21-58 1040535 2851884                  | 10 | NDN-AI DAUGHTERS | 12 | 17,417 3.8 659         |                     |                      |
| LISTED, 03-64                             | 10 | WITH HERD-MATES  | 12 | 17,417 3.8 659         | 2 DIFF. 13,959 501  | 3458 158             |
| STATES- 35                                |    |                  |    |                        |                     |                      |
| 1349427 RDLLINGWDDD SENSATION 8URKE.....  |    |                  |    |                        |                     |                      |
| 09-29-57 1175467 3737850                  | 23 | NDN-AI DAUGHTERS | 30 | 11,337 3.8 435         |                     |                      |
| LISTED, 11-63                             | 23 | WITH HERD-MATES  | 30 | 11,337 3.8 435         | 34 DIFF. 10,503 401 | 834 34               |
| STATES- 52                                |    |                  |    |                        |                     |                      |
| 1349431 WEHAUSENS KING FD8ES.....         |    |                  |    |                        |                     |                      |
| 12-01-58 1274153 3060045                  | 8  | NDN-AI DAUGHTERS | 10 | 14,508 3.7 530         |                     |                      |
| LISTED, 03-64                             | 8  | WITH HERD-MATES  | 9  | 14,495 3.6 524         | 13 DIFF. 13,001 484 | 1494 40              |
| STATES- 33,35                             |    |                  |    |                        |                     |                      |
| 1349438 .....                             | 6  | NDN-AI DAUGHTERS | 6  | 15,500 3.7 579         |                     |                      |
| STATES- 23                                | 6  | WITH HERD-MATES  | 6  | 15,500 3.7 579         | 16 DIFF. 14,073 529 | 1427 50              |
| 1349539 8ACON AAGGIE CARNATION.....       |    |                  |    |                        |                     |                      |
| 04-14-58 1136105 3812168                  | 18 | NDN-AI DAUGHTERS | 19 | 11,681 3.5 406         |                     |                      |
| LISTED, 11-63                             | 18 | WITH HERD-MATES  | 19 | 11,681 3.5 406         | 11 DIFF. 11,269 400 | 412 6                |
| STATES- 45                                |    |                  |    |                        |                     |                      |
| 1349628 SIR WIS SKDKIE LEADER.....        |    |                  |    |                        |                     |                      |
| 04-24-58 915940 3152686                   | 19 | NDN-AI DAUGHTERS | 28 | 11,570 3.2 371         |                     |                      |
| LISTED, 03-64                             | 19 | WITH HERD-MATES  | 28 | 11,570 3.2 371         | 9 DIFF. 11,669 412  | 99- 41-              |
| STATES- 35                                |    |                  |    |                        |                     |                      |
| 1349630 .....                             | 6  | NDN-AI DAUGHTERS | 6  | 11,142 3.2 351         |                     |                      |
| STATES- 41                                | 6  | WITH HERD-MATES  | 6  | 11,142 3.2 351         | 8 DIFF. 10,335 336  | 807 15               |
| 1349678 .....                             | 5  | NDN-AI DAUGHTERS | 6  | 15,124 3.6 539         |                     |                      |
| STATES- 35                                | 5  | WITH HERD-MATES  | 5  | 15,200 3.6 542         | 8 DIFF. 15,221 572  | 21- 30-              |
| 1349691 .....                             | 5  | NDN-AI DAUGHTERS | 5  | 10,790 3.5 374         |                     |                      |
| STATES- 41,42,93                          | 4  | WITH HERD-MATES  | 4  | 11,310 3.5 392         | 28 DIFF. 13,818 507 | 2508- 115-           |
| 1349846 .....                             | 6  | NDN-AI DAUGHTERS | 6  | 15,557 3.4 522         |                     |                      |
| STATES- 35                                | 6  | WITH HERD-MATES  | 6  | 15,557 3.4 522         | 14 DIFF. 15,037 541 | 520 19-              |
| 1349850 .....                             | 6  | NDN-AI DAUGHTERS | 6  | 12,722 3.6 463         |                     |                      |
| STATES- 35                                | 6  | WITH HERD-MATES  | 6  | 12,722 3.6 463         | 16 DIFF. 12,533 467 | 189 4-               |
| 1350000 RIVER VALLEY WALLIE SYLVAN.....   |    |                  |    |                        |                     |                      |
| 01-17-59 1190632 3152520                  | 24 | AI DAUGHTERS-23  | 24 | 12,535 3.4 423         |                     |                      |
| AI STUD, 21-01 LISTED, 05-64              | 23 | WITH HERD-MATES  | 23 | 12,788 3.4 431         | 17 DIFF. 13,946 506 | 1158- 75- 11,814 409 |
| STATES- 21                                |    |                  |    |                        |                     |                      |
| 1350053 .....                             | 6  | NDN-AI DAUGHTERS | 6  | 14,793 3.4 505         |                     |                      |
| STATES- 93                                | 6  | WITH HERD-MATES  | 6  | 14,793 3.4 505         | 94 DIFF. 15,206 530 | 413- 25-             |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                                    | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERO-MATES AV. |            |           | PREDICTED AV. |            |
|---|------------------------|------------------|-----------|-----------|---------------------|------------|-----------|---------------|------------|
|   | RECORDS<br>NUMBER      | MILK<br>LB       | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB  |
| 1350137 .....                               | 5                      | AI DAUGHTERS-04  | 5         | 12,084    | 3.7                 | 452        |           |               |            |
| AI STUD, 42-08                              | 5                      | WITH HERO-MATES  | 5         | 12,084    | 3.7                 | 452        | 18        | 13,553        | 485        |
| STATES- 42                                  |                        |                  |           |           |                     |            | DIFF.     | 1469-         | 33-        |
| 1350142 .....                               | 8                      | NON-AI DAUGHTERS | 8         | 16,214    | 3.6                 | 576        |           |               |            |
| STATES- 61                                  | 8                      | WITH HERO-MATES  | 8         | 16,214    | 3.6                 | 576        | 14        | 14,546        | 501        |
|   |                        |                  |           |           |                     |            | DIFF.     | 1668          | 75         |
| 1350157 DAVENPORT RAG APPLE PILOT.....      |                        |                  |           |           |                     |            |           |               |            |
| 01-16-59 1189590 4116811                    | 11                     | NON-AI DAUGHTERS | 11        | 14,756    | 3.8                 | 568        |           |               |            |
| LISTED, 05-64                               | 11                     | WITH HERO-MATES  | 11        | 14,756    | 3.8                 | 568        | 32        | 14,008        | 533        |
| STATES- 47,84                               |                        |                  |           |           |                     |            | DIFF.     | 748           | 35         |
| 1350188 .....                               | 5                      | NON-AI DAUGHTERS | 5         | 10,800    | 3.8                 | 415        |           |               |            |
| STATES- 35                                  | 5                      | WITH HERO-MATES  | 5         | 10,800    | 3.8                 | 415        | 15        | 12,709        | 449        |
|   |                        |                  |           |           |                     |            | DIFF.     | 1909-         | 34-        |
| 1350190 GLENAFTON RAG APPLE DESIGN LAD..... |                        |                  |           |           |                     |            |           |               |            |
| 06-20-58 010239301 010672857                | 37                     | AI DAUGHTERS-25* | 37        | 14,605    | 3.6                 | 529        |           |               |            |
| AI STUD, 33-03 LISTED, 05-64                | 36                     | WITH HERO-MATES  | 36        | 14,867    | 3.6                 | 537        | 14        | 13,387        | 492        |
| STATES- 21,22,23,31,32,33,34,               |                        |                  |           |           |                     |            | DIFF.     | 1480          | 45         |
| 35,41,42,45,51,52                           |                        |                  |           |           |                     |            |           |               | 13,650 492 |
| 1350200 .....                               | 11                     | NON-AI DAUGHTERS | 11        | 15,195    | 3.6                 | 548        |           |               |            |
| STATES- 31                                  | 11                     | WITH HERO-MATES  | 11        | 15,195    | 3.6                 | 548        | 14        | 13,697        | 500        |
|   |                        |                  |           |           |                     |            | DIFF.     | 1498          | 48         |
| 1350221 .....                               | 7                      | NON-AI DAUGHTERS | 7         | 12,829    | 4.1                 | 523        |           |               |            |
| STATES- 32                                  | 7                      | WITH HERO-MATES  | 7         | 12,829    | 4.1                 | 523        | 16        | 13,433        | 515        |
|   |                        |                  |           |           |                     |            | DIFF.     | 604-          | 8          |
| 1350476 LEADER ALCARTRA KING.....           |                        |                  |           |           |                     |            |           |               |            |
| 10-21-57 1285407 3999451                    | 12                     | NON-AI DAUGHTERS | 16        | 13,048    | 3.5                 | 455        |           |               |            |
| LISTED, 03-64                               | 12                     | WITH HERO-MATES  | 16        | 13,048    | 3.5                 | 455        | 24        | 12,699        | 466        |
| STATES- 42                                  |                        |                  |           |           |                     |            | DIFF.     | 349           | 11-        |
| 1350548 .....                               | 6                      | NON-AI DAUGHTERS | 6         | 12,188    | 3.8                 | 460        |           |               |            |
| STATES- 35                                  | 5                      | WITH HERO-MATES  | 5         | 12,072    | 3.8                 | 458        | 7         | 13,826        | 517        |
|   |                        |                  |           |           |                     |            | DIFF.     | 1754-         | 59-        |
| 1350555 .....                               | 5                      | NON-AI DAUGHTERS | 6         | 13,126    | 3.6                 | 479        |           |               |            |
| STATES- 48                                  | 5                      | WITH HERO-MATES  | 6         | 13,126    | 3.6                 | 479        | 18        | 13,592        | 504        |
|   |                        |                  |           |           |                     |            | DIFF.     | 466-          | 25-        |
| 1350701 MAYERS DUKE COLANTHA ROMEO.....     |                        |                  |           |           |                     |            |           |               |            |
| 03-13-58 1293580 3384627                    | 11                     | NON-AI DAUGHTERS | 11        | 12,508    | 3.6                 | 450        |           |               |            |
| LISTED, 03-64                               | 11                     | WITH HERO-MATES  | 11        | 12,508    | 3.6                 | 450        | 13        | 14,559        | 558        |
| STATES- 35                                  |                        |                  |           |           |                     |            | DIFF.     | 2051-         | 108-       |
| 1350713 .....                               | 5                      | NON-AI DAUGHTERS | 5         | 11,344    | 3.5                 | 399        |           |               |            |
| STATES- 21                                  | 5                      | WITH HERO-MATES  | 5         | 11,344    | 3.5                 | 399        | 40        | 12,907        | 455        |
|   |                        |                  |           |           |                     |            | DIFF.     | 1563-         | 56-        |
| 1350744 MAR-RIDGE GENERAL LEADER.....       |                        |                  |           |           |                     |            |           |               |            |
| 10-13-58 915940 3479104                     | 9                      | NON-AI DAUGHTERS | 9         | 13,750    | 3.5                 | 479        |           |               |            |
| LISTED, 05-64                               | 9                      | WITH HERO-MATES  | 9         | 13,750    | 3.5                 | 479        | 24        | 12,612        | 455        |
| STATES- 41,48                               |                        |                  |           |           |                     |            | DIFF.     | 1138          | 24         |
| 1350767 LOCHINVAR HIGH POINT MONTY.....     |                        |                  |           |           |                     |            |           |               |            |
| 06-23-53 010143943 010451690                | 7                      | AI DAUGHTERS-07  | 9         | 14,371    | 3.6                 | 517        |           |               |            |
| AI STUD, 35-05 LISTED, 08-63                | 7                      | WITH HERO-MATES  | 9         | 14,371    | 3.6                 | 517        | 13        | 12,353        | 439        |
| STATES- 23,35                               |                        |                  |           |           |                     |            | DIFF.     | 2018          | 78         |
|   | 3                      | NON-AI DAUGHTERS | 7         | 13,064    | 3.8                 | 496        |           |               |            |
|   | 3                      | WITH HERO-MATES  | 7         | 13,064    | 3.8                 | 496        | 12        | 12,655        | 462        |
|   |                        |                  |           |           |                     |            | DIFF.     | 409           | 34         |
| 1350869 OCTAGONDA ADMIRAL BURKE F08ES.....  |                        |                  |           |           |                     |            |           |               |            |
| 11-05-58 1133192 3072701                    | 11                     | NON-AI DAUGHTERS | 12        | 15,878    | 3.6                 | 570        |           |               |            |
| LISTED, 03-64                               | 11                     | WITH HERO-MATES  | 12        | 15,878    | 3.6                 | 570        | 8         | 13,867        | 480        |
| STATES- 35                                  |                        |                  |           |           |                     |            | DIFF.     | 2011          | 90         |
| 1350910 WARRENOALE SKIPPER.....             |                        |                  |           |           |                     |            |           |               |            |
| 06-06-58 010255111 010634602                | 10                     | NON-AI DAUGHTERS | 10        | 10,275    | 3.4                 | 354        |           |               |            |
| LISTED, 05-64                               | 10                     | WITH HERO-MATES  | 10        | 10,275    | 3.4                 | 354        | 13        | 13,409        | 489        |
| STATES- 21,22                               |                        |                  |           |           |                     |            | DIFF.     | 3134-         | 135-       |
| 1350914 .....                               | 5                      | NON-AI DAUGHTERS | 5         | 13,206    | 3.6                 | 478        |           |               |            |
| STATES- 52                                  | 5                      | WITH HERO-MATES  | 5         | 13,206    | 3.6                 | 478        | 35        | 12,139        | 450        |
|   |                        |                  |           |           |                     |            | DIFF.     | 1067          | 28         |
| 1351054 .....                               | 5                      | NON-AI DAUGHTERS | 6         | 10,974    | 3.8                 | 418        |           |               |            |
| STATES- 42                                  | 5                      | WITH HERO-MATES  | 5         | 10,862    | 3.8                 | 411        | 5         | 13,735        | 502        |
|   |                        |                  |           |           |                     |            | DIFF.     | 2873-         | 91-        |
| 1351113 .....                               | 6                      | NON-AI DAUGHTERS | 7         | 11,679    | 3.9                 | 450        |           |               |            |
| STATES- 35                                  | 6                      | WITH HERO-MATES  | 7         | 11,679    | 3.9                 | 450        | 31        | 12,788        | 491        |
|   |                        |                  |           |           |                     |            | DIFF.     | 1109-         | 41-        |
| 1351258 COMMONWEALTH CSH 80MBER DANNY.....  |                        |                  |           |           |                     |            |           |               |            |
| 12-02-57 1159910 3730232                    | 18                     | NON-AI DAUGHTERS | 18        | 13,937    | 3.7                 | 518        |           |               |            |
| LISTED, 03-64                               | 18                     | WITH HERO-MATES  | 18        | 13,937    | 3.7                 | 518        | 41        | 14,267        | 521        |
| STATES- 61                                  |                        |                  |           |           |                     |            | DIFF.     | 330-          | 3-         |



## SIREs OF OHIA DAUGHTERS

| HOLSTEIN                                    | AV. PRODUCTION OF DAU. |                  |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|---|------------------------|------------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|   | RECD RDS<br>NUMBER     | MILK<br>LB       | TEST<br>% | FAT<br>LB | AV.<br>NUMBER       | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 1351404 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 33                                  | 5                      | NDN-AI DAUGHTERS | 5         | 14,624    | 3.5                 | 516        |           |               |           |
|   | 5                      | WITH HERD-MATES  | 5         | 14,624    | 3.5                 | 516        | 11        | 14,700        | 532       |
|   |                        |                  |           |           |                     |            | DIFF.     | 76-           | 16-       |
| 1351411 MILK AND HDNEY FAMOUS HDNEYMAN..... |                        |                  |           |           |                     |            |           |               |           |
| 12-12-58 1210938 3270010                    | 10                     | NDN-AI DAUGHTERS | 10        | 16,324    | 3.7                 | 609        |           |               |           |
| LISTED, 05-64                               | 10                     | WITH HERD-MATES  | 10        | 16,324    | 3.7                 | 609        | 12        | 14,035        | 549       |
| STATES- 22                                  |                        |                  |           |           |                     |            | DIFF.     | 2289          | 60        |
| 1351570 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 42                                  | 7                      | NDN-AI DAUGHTERS | 8         | 9,729     | 3.6                 | 353        |           |               |           |
|   | 7                      | WITH HERD-MATES  | 8         | 9,729     | 3.6                 | 353        | 32        | 11,222        | 423       |
|   |                        |                  |           |           |                     |            | DIFF.     | 1493-         | 70-       |
| 1351602 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 43                                  | 5                      | NDN-AI DAUGHTERS | 5         | 9,390     | 3.8                 | 357        |           |               |           |
|   | 5                      | WITH HERD-MATES  | 5         | 9,390     | 3.8                 | 357        | 9         | 10,632        | 387       |
|   |                        |                  |           |           |                     |            | DIFF.     | 1242-         | 30-       |
| 1351701 COLLINS-CREST BURKE DDU8LE.....     |                        |                  |           |           |                     |            |           |               |           |
| 12-04-56 1208003 3703157                    | 20                     | NDN-AI DAUGHTERS | 26        | 14,814    | 3.4                 | 502        |           |               |           |
| LISTED, 11-63                               | 20                     | WITH HERD-MATES  | 26        | 14,814    | 3.4                 | 502        | 11        | 13,689        | 489       |
| STATES- 21                                  |                        |                  |           |           |                     |            | DIFF.     | 1125          | 13        |
| 1351722 BELL RINGER DRMSBY LAD.....         |                        |                  |           |           |                     |            |           |               |           |
| 10-22-56 1080990 3231794                    | 9                      | NDN-AI DAUGHTERS | 13        | 14,791    | 3.6                 | 537        |           |               |           |
| LISTED, 03-64                               | 9                      | WITH HERD-MATES  | 13        | 14,791    | 3.6                 | 537        | 14        | 15,391        | 589       |
| STATES- 22                                  |                        |                  |           |           |                     |            | DIFF.     | 600-          | 52-       |
| 1351732 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 16                                  | 5                      | NDN-AI DAUGHTERS | 5         | 15,676    | 3.7                 | 583        |           |               |           |
|   | 5                      | WITH HERD-MATES  | 5         | 15,676    | 3.7                 | 583        | 7         | 13,879        | 514       |
|   |                        |                  |           |           |                     |            | DIFF.     | 1797          | 69        |
| 1351842 NDTTAWA PET KDRNDYKE JAMES.....     |                        |                  |           |           |                     |            |           |               |           |
| 04-10-58 860768 4074652                     | 9                      | NDN-AI DAUGHTERS | 10        | 11,277    | 3.7                 | 415        |           |               |           |
| LISTED, 03-64                               | 9                      | WITH HERD-MATES  | 10        | 11,277    | 3.7                 | 415        | 22        | 13,088        | 483       |
| STATES- 52                                  |                        |                  |           |           |                     |            | DIFF.     | 1811-         | 68-       |
| 1351847 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 56                                  | 5                      | NDN-AI DAUGHTERS | 6         | 15,442    | 3.8                 | 581        |           |               |           |
|   | 5                      | WITH HERD-MATES  | 6         | 15,442    | 3.8                 | 581        | 29        | 13,385        | 494       |
|   |                        |                  |           |           |                     |            | DIFF.     | 2057          | 87        |
| 1351910 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 32                                  | 5                      | NDN-AI DAUGHTERS | 5         | 11,062    | 4.0                 | 447        |           |               |           |
|   | 1                      | WITH HERD-MATES  | 1         | 11,220    | 4.4                 | 498        | 32        | 12,456        | 445       |
|   |                        |                  |           |           |                     |            | DIFF.     | 1236-         | 53        |
| 1351967 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 34                                  | 6                      | NDN-AI DAUGHTERS | 6         | 14,705    | 3.6                 | 526        |           |               |           |
|   | 6                      | WITH HERD-MATES  | 6         | 14,705    | 3.6                 | 526        | 13        | 13,443        | 496       |
|   |                        |                  |           |           |                     |            | DIFF.     | 1262          | 30        |
| 1352060 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 35                                  | 5                      | NDN-AI DAUGHTERS | 5         | 18,608    | 3.5                 | 654        |           |               |           |
|   | 5                      | WITH HERD-MATES  | 5         | 18,608    | 3.5                 | 654        | 23        | 16,706        | 605       |
|   |                        |                  |           |           |                     |            | DIFF.     | 1902          | 49        |
| 1352113 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 48                                  | 6                      | NDN-AI DAUGHTERS | 6         | 13,965    | 3.8                 | 526        |           |               |           |
|   | 6                      | WITH HERD-MATES  | 6         | 13,965    | 3.8                 | 526        | 22        | 13,622        | 492       |
|   |                        |                  |           |           |                     |            | DIFF.     | 343           | 34        |
| 1352169 V 8 H DINAH TIDY DEAN.....          |                        |                  |           |           |                     |            |           |               |           |
| 10-08-58 1189679 4716131                    | 9                      | NDN-AI DAUGHTERS | 10        | 16,253    | 3.9                 | 629        |           |               |           |
| LISTED, 05-64                               | 9                      | WITH HERD-MATES  | 10        | 16,253    | 3.9                 | 629        | 23        | 14,441        | 547       |
| STATES- 52                                  |                        |                  |           |           |                     |            | DIFF.     | 1812          | 82        |
| 1352270 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23                                  | 6                      | NDN-AI DAUGHTERS | 6         | 13,243    | 3.9                 | 518        |           |               |           |
|   | 6                      | WITH HERD-MATES  | 6         | 13,243    | 3.9                 | 518        | 11        | 14,077        | 543       |
|   |                        |                  |           |           |                     |            | DIFF.     | 834-          | 25-       |
| 1352349 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 48                                  | 5                      | NDN-AI DAUGHTERS | 6         | 12,618    | 3.6                 | 457        |           |               |           |
|   | 5                      | WITH HERD-MATES  | 6         | 12,618    | 3.6                 | 457        | 19        | 12,443        | 456       |
|   |                        |                  |           |           |                     |            | DIFF.     | 175           | 1         |
| 1352354 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 23                                  | 5                      | NDN-AI DAUGHTERS | 6         | 12,843    | 3.4                 | 442        |           |               |           |
|   | 5                      | WITH HERD-MATES  | 6         | 12,843    | 3.4                 | 442        | 11        | 14,085        | 526       |
|   |                        |                  |           |           |                     |            | DIFF.     | 1242-         | 84-       |
| 1352459 .....                               |                        |                  |           |           |                     |            |           |               |           |
| STATES- 46                                  | 8                      | NDN-AI DAUGHTERS | 8         | 15,320    | 3.8                 | 579        |           |               |           |
|   | 8                      | WITH HERD-MATES  | 8         | 15,320    | 3.8                 | 579        | 6         | 14,434        | 542       |
|   |                        |                  |           |           |                     |            | DIFF.     | 886           | 37        |
| 1352501 SUEDALE IDPSY DTTD.....             |                        |                  |           |           |                     |            |           |               |           |
| 11-18-58 1102436 3676432                    | 39                     | AI DAUGHTERS-25* | 39        | 12,222    | 3.6                 | 446        |           |               |           |
| AI STUD, 21-01 LISTED, 05-64                | 39                     | WITH HERD-MATES  | 39        | 12,222    | 3.6                 | 446        | 17        | 13,631        | 495       |
| STATES- 21,23                               |                        |                  |           |           |                     |            | DIFF.     | 1409-         | 49-       |
|   | 1                      | NDN-AI DAUGHTERS | 1         | 17,240    | 3.3                 | 570        |           |               |           |
|   | 1                      | WITH HERD-MATES  | 1         | 17,240    | 3.3                 | 570        | 29        | 14,371        | 486       |
|   |                        |                  |           |           |                     |            | DIFF.     | 2869          | 84        |
| 1352552 BURKE SKDKIE TRAVELER.....          |                        |                  |           |           |                     |            |           |               |           |
| 02-08-57 976506 4024987                     | 9                      | NDN-AI DAUGHTERS | 11        | 14,623    | 3.5                 | 509        |           |               |           |
| LISTED, 11-63                               | 9                      | WITH HERD-MATES  | 11        | 14,623    | 3.5                 | 509        | 5         | 13,510        | 478       |
| STATES- 42                                  |                        |                  |           |           |                     |            | DIFF.     | 1113          | 31        |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN                                 | AV. PRODUCTION OF |        |      |     | AOJ. HERO-MATES |        |      | PREOICTED AV. |     |
|--|-------------------|--------|------|-----|-----------------|--------|------|---------------|-----|
|  | RECORDS           | MILK   | TEST | FAT | AV.             | MILK   | FAT  | MILK          | FAT |
|  | NUMBER            | L8     | %    | L8  | NUMBER          | L8     | L8   | L8            | L8  |
| 1352580 .....                            |                   |        |      |     |                 |        |      |               |     |
| STATES- 55                               | 5                 | 9,866  | 3.5  | 342 | 15              | 13,247 | 476  |               |     |
|  | 5                 | 9,866  | 3.5  | 342 | OIFF.           | 3381-  | 134- |               |     |
| 1352744 .....                            |                   |        |      |     |                 |        |      |               |     |
| STATES- 35                               | 8                 | 14,510 | 3.5  | 506 | 5               | 13,711 | 471  |               |     |
|  | 8                 | 14,510 | 3.5  | 506 | OIFF.           | 799    | 35   |               |     |
| 1352765 .....                            |                   |        |      |     |                 |        |      |               |     |
| STATES- 42                               | 5                 | 12,521 | 3.7  | 459 | 5               | 11,136 | 406  |               |     |
|  | 5                 | 12,521 | 3.7  | 459 | OIFF.           | 1385   | 53   |               |     |
| 1352883 LYON BROOK TOP CAPTAIN.....      |                   |        |      |     |                 |        |      |               |     |
| 11-09-58 1264035 4332765                 | 9                 | 17,711 | 3.7  | 650 | 83              | 16,576 | 615  |               |     |
| LISTED, 05-64                            | 9                 | 17,711 | 3.7  | 650 | OIFF.           | 1135   | 35   |               |     |
| STATES- 21                               |                   |        |      |     |                 |        |      |               |     |
| 1352898 .....                            |                   |        |      |     |                 |        |      |               |     |
| STATES- 42                               | 5                 | 14,788 | 3.6  | 539 | 13              | 14,113 | 530  |               |     |
|  | 5                 | 14,788 | 3.6  | 539 | OIFF.           | 675    | 9    |               |     |
| 1352953 KEYSTONE IDEAL PIONEER.....      |                   |        |      |     |                 |        |      |               |     |
| 12-31-58 1013415 3473274                 | 19                | 16,037 | 3.8  | 602 | 31              | 15,351 | 574  | 13,065        | 479 |
| AI STUO, 55-01 LISTED, 05-64             | 19                | 16,037 | 3.8  | 602 | OIFF.           | 686    | 28   |               |     |
| STATES- 55                               |                   |        |      |     |                 |        |      |               |     |
| 1352972 .....                            |                   |        |      |     |                 |        |      |               |     |
| STATES- 46                               | 5                 | 12,378 | 3.6  | 444 | 16              | 12,784 | 425  |               |     |
|  | 5                 | 12,378 | 3.6  | 444 | OIFF.           | 406-   | 19   |               |     |
| 1352979 SKOKIE NEO 80Y.....              |                   |        |      |     |                 |        |      |               |     |
| 04-02-59 1282185 3235818                 | 10                | 13,008 | 3.6  | 470 | 17              | 13,331 | 493  | 12,483        | 452 |
| AI STUO, 23-02 LISTED, 05-64             | 9                 | 13,274 | 3.6  | 482 | OIFF.           | 57-    | 11-  |               |     |
| STATES- 33                               |                   |        |      |     |                 |        |      |               |     |
| 1353108 .....                            |                   |        |      |     |                 |        |      |               |     |
| STATES- 48                               | 8                 | 14,059 | 3.7  | 519 | 9               | 14,275 | 522  |               |     |
|  | 8                 | 14,059 | 3.7  | 519 | OIFF.           | 216-   | 3-   |               |     |
| 1353154 PENSTATE MARK STAR TY F08ES..... |                   |        |      |     |                 |        |      |               |     |
| 03-30-59 1157986 2569786                 | 14                | 10,832 | 4.0  | 433 | 7               | 12,681 | 481  | 11,502        | 431 |
| AI STUO, 23-05 LISTED, 05-64             | 14                | 10,832 | 4.0  | 433 | OIFF.           | 1849-  | 48-  |               |     |
| STATES- 23                               |                   |        |      |     |                 |        |      |               |     |
| 1353200 MYRHILL REFLECTION PABST.....    |                   |        |      |     |                 |        |      |               |     |
| 04-12-56 010246902 010750184             | 9                 | 13,176 | 3.5  | 466 | 19              | 13,578 | 528  |               |     |
| LISTED, 11-63                            | 9                 | 13,176 | 3.5  | 466 | OIFF.           | 402-   | 62-  |               |     |
| STATES- 21,51                            |                   |        |      |     |                 |        |      |               |     |
| 1353255 .....                            |                   |        |      |     |                 |        |      |               |     |
| STATES- 52,55                            | 7                 | 13,907 | 3.9  | 548 | 32              | 13,211 | 495  |               |     |
|  | 7                 | 13,907 | 3.9  | 548 | OIFF.           | 696    | 53   |               |     |
| 1353294 M V 8 A PRESTO MAIO BURKE.....   |                   |        |      |     |                 |        |      |               |     |
| 05-12-58 1167510 2958623                 | 11                | 12,417 | 3.7  | 455 | 53              | 12,729 | 447  | 12,342        | 458 |
| AI STUO, 41-01 LISTED, 05-64             | 11                | 12,417 | 3.7  | 455 | OIFF.           | 312-   | 8    |               |     |
| STATES- 41,46,48                         |                   |        |      |     |                 |        |      |               |     |
|  | 1                 | 18,770 | 3.4  | 631 | 18              | 12,779 | 444  |               |     |
|  | 1                 | 18,770 | 3.4  | 631 | OIFF.           | 5991   | 187  |               |     |
| 1353356 .....                            |                   |        |      |     |                 |        |      |               |     |
| STATES- 33                               | 5                 | 10,004 | 3.8  | 381 | 26              | 10,031 | 394  |               |     |
|  | 5                 | 10,004 | 3.8  | 381 | OIFF.           | 27-    | 13-  |               |     |
| 1353357 .....                            |                   |        |      |     |                 |        |      |               |     |
| STATES- 55                               | 5                 | 12,588 | 3.7  | 461 | 27              | 12,430 | 422  |               |     |
|  | 5                 | 12,588 | 3.7  | 461 | OIFF.           | 158    | 39   |               |     |
| 1353368 .....                            |                   |        |      |     |                 |        |      |               |     |
| STATES- 23                               | 5                 | 19,482 | 3.4  | 666 | 11              | 16,669 | 634  |               |     |
|  | 5                 | 19,482 | 3.4  | 666 | OIFF.           | 2813   | 32   |               |     |
| 1353380 .....                            |                   |        |      |     |                 |        |      |               |     |
| STATES- 35                               | 5                 | 16,672 | 3.2  | 541 | 27              | 15,859 | 563  |               |     |
|  | 5                 | 16,672 | 3.2  | 541 | OIFF.           | 813    | 22-  |               |     |
| 1353519 .....                            |                   |        |      |     |                 |        |      |               |     |
| STATES- 35                               | 5                 | 13,870 | 3.5  | 482 | 15              | 14,430 | 526  |               |     |
|  | 5                 | 13,870 | 3.5  | 482 | OIFF.           | 560-   | 44-  |               |     |
| 1353557 .....                            |                   |        |      |     |                 |        |      |               |     |
| STATES- 23                               | 7                 | 11,257 | 4.2  | 474 | 15              | 14,561 | 561  |               |     |
|  | 7                 | 11,257 | 4.2  | 474 | OIFF.           | 3304-  | 87-  |               |     |
| 1353790 .....                            |                   |        |      |     |                 |        |      |               |     |
| STATES- 34                               | 6                 | 12,150 | 3.7  | 450 | 12              | 13,692 | 478  |               |     |
|  | 5                 | 12,302 | 3.7  | 450 | OIFF.           | 1390-  | 28-  |               |     |

| SIRE OF OHIA DAUGHTERS               |         |               |    | AV. PRODUCTION OF OAU. |      |        |     | AOJ. HERO-MATES AV. |       |        |     | PREDICTED AV. |     |
|--------------------------------------|---------|---------------|----|------------------------|------|--------|-----|---------------------|-------|--------|-----|---------------|-----|
| HOLSTEIN                             |         |               |    | RECORDS                | MILK | TEST   | FAT | NUMBER              | MILK  | FAT    |     | MILK          | FAT |
|                                      |         |               |    | NUMBER                 | LB   | %      | LB  |                     | LB    | LB     |     | LB            | LB  |
| 1353799 PALISAOE IOA MOOEL BOY.....  |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
| 11-17-57                             | 1275653 | 3891504       | 11 | NON-AI DAUGHTERS       | 12   | 15,275 | 3.6 | 556                 |       |        |     |               |     |
|                                      |         | LISTED, 11-63 | 11 | WITH HERO-MATES        | 12   | 15,275 | 3.6 | 556                 |       |        |     |               |     |
| STATES- 87                           |         |               |    |                        |      |        |     |                     | 36    | 13,284 | 480 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 1991   | 76  |               |     |
| 1353843 .....                        |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
|                                      |         |               | 11 | AI DAUGHTERS-09        | 11   | 11,942 | 4.1 | 485                 |       |        |     |               |     |
| AI STUO, 21-01                       |         |               | 10 | WITH HERO-MATES        | 10   | 11,960 | 4.1 | 494                 | 12    | 14,185 | 523 | 11,547        | 445 |
| STATES- 21                           |         |               |    |                        |      |        |     |                     | OIFF. | 2225-  | 29- |               |     |
|                                      |         |               | 2  | NON-AI DAUGHTERS       | 2    | 10,585 | 4.1 | 430                 |       |        |     |               |     |
|                                      |         |               | 2  | WITH HERO-MATES        | 2    | 10,585 | 4.1 | 430                 | 1     | 13,921 | 488 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 3336-  | 58- |               |     |
| 1353934 .....                        |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
|                                      |         |               | 9  | NON-AI DAUGHTERS       | 9    | 13,437 | 4.2 | 558                 |       |        |     |               |     |
| STATES- 51                           |         |               | 9  | WITH HERO-MATES        | 9    | 13,437 | 4.2 | 558                 | 18    | 13,553 | 532 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 116-   | 26  |               |     |
| 1353990 .....                        |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
|                                      |         |               | 6  | NON-AI DAUGHTERS       | 6    | 15,420 | 3.5 | 538                 |       |        |     |               |     |
| STATES- 35                           |         |               | 6  | WITH HERO-MATES        | 6    | 15,420 | 3.5 | 538                 | 12    | 13,928 | 507 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 1492   | 31  |               |     |
| 1354086 .....                        |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
|                                      |         |               | 5  | NON-AI DAUGHTERS       | 5    | 13,620 | 3.8 | 519                 |       |        |     |               |     |
| STATES- 73                           |         |               | 5  | WITH HERO-MATES        | 5    | 13,620 | 3.8 | 519                 | 21    | 13,625 | 490 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 5-     | 29  |               |     |
| 1354146 .....                        |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
|                                      |         |               | 8  | NON-AI DAUGHTERS       | 8    | 15,218 | 3.6 | 549                 |       |        |     |               |     |
| STATES- 35                           |         |               | 8  | WITH HERO-MATES        | 8    | 15,218 | 3.6 | 549                 | 11    | 14,301 | 499 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 917    | 50  |               |     |
| 1354162 .....                        |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
|                                      |         |               | 8  | NON-AI DAUGHTERS       | 8    | 15,669 | 4.1 | 649                 |       |        |     |               |     |
| STATES- 91                           |         |               | 8  | WITH HERO-MATES        | 8    | 15,669 | 4.1 | 649                 | 14    | 14,768 | 573 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 901    | 76  |               |     |
| 1354191 .....                        |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
|                                      |         |               | 6  | NON-AI DAUGHTERS       | 6    | 16,475 | 3.7 | 604                 |       |        |     |               |     |
| STATES- 32                           |         |               | 6  | WITH HERO-MATES        | 6    | 16,475 | 3.7 | 604                 | 15    | 15,987 | 588 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 488    | 16  |               |     |
| 1354230 K-ACRES ORMSBY LUKE.....     |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
| 08-06-58                             | 1306698 | 3145017       | 11 | NON-AI DAUGHTERS       | 12   | 11,365 | 3.6 | 414                 |       |        |     |               |     |
|                                      |         | LISTED, 03-64 | 11 | WITH HERO-MATES        | 12   | 11,365 | 3.6 | 414                 | 11    | 12,941 | 469 |               |     |
| STATES- 82                           |         |               |    |                        |      |        |     |                     | OIFF. | 1576-  | 55- |               |     |
| 1354344 .....                        |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
|                                      |         |               | 11 | NON-AI DAUGHTERS       | 11   | 15,348 | 3.7 | 561                 |       |        |     |               |     |
| STATES- 21                           |         |               | 11 | WITH HERO-MATES        | 11   | 15,348 | 3.7 | 561                 | 11    | 14,584 | 535 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 764    | 26  |               |     |
| 1354359 .....                        |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
|                                      |         |               | 5  | NON-AI DAUGHTERS       | 5    | 11,968 | 3.3 | 395                 |       |        |     |               |     |
| STATES- 73                           |         |               | 3  | WITH HERO-MATES        | 3    | 13,680 | 3.3 | 448                 | 6     | 13,075 | 443 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 605    | 5   |               |     |
| 1354463 CREEK VALLEY OUK.....        |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
| 09-22-57                             | 1243604 | 4284343       | 13 | NON-AI DAUGHTERS       | 17   | 14,081 | 3.6 | 506                 |       |        |     |               |     |
|                                      |         | LISTED, 11-63 | 13 | WITH HERO-MATES        | 17   | 14,081 | 3.6 | 506                 | 15    | 14,424 | 521 |               |     |
| STATES- 21                           |         |               |    |                        |      |        |     |                     | OIFF. | 343-   | 15- |               |     |
| 1354572 SENECA RAINBOW FOBES.....    |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
| 11-20-58                             | 1060259 | 2963814       | 13 | NON-AI DAUGHTERS       | 14   | 16,130 | 3.6 | 582                 |       |        |     |               |     |
|                                      |         | LISTED, 11-63 | 13 | WITH HERO-MATES        | 13   | 16,267 | 3.6 | 583                 | 15    | 15,726 | 567 |               |     |
| STATES- 21                           |         |               |    |                        |      |        |     |                     | OIFF. | 541    | 16  |               |     |
| 1354671 SEQUOIA JO PILOT PAUL.....   |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
| 10-27-58                             | 1094305 | 2972590       | 18 | AI DAUGHTERS-17        | 18   | 11,483 | 3.7 | 421                 |       |        |     |               |     |
| AI STUO, 87-01                       |         | LISTED, 05-64 | 17 | WITH HERO-MATES        | 17   | 11,556 | 3.7 | 423                 | 20    | 12,818 | 462 | 11,759        | 433 |
| STATES- 82,87                        |         |               |    |                        |      |        |     |                     | OIFF. | 1262-  | 39- |               |     |
|                                      |         |               | 3  | NON-AI DAUGHTERS       | 3    | 9,877  | 3.9 | 384                 |       |        |     |               |     |
|                                      |         |               | 3  | WITH HERO-MATES        | 3    | 9,877  | 3.9 | 384                 | 16    | 12,018 | 441 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 2141-  | 57- |               |     |
| 1354952 CLINT OALE ROAMER OLAF.....  |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
| 11-19-58                             | 1102436 | 3717665       | 37 | AI DAUGHTERS-25*       | 38   | 12,863 | 3.7 | 479                 |       |        |     |               |     |
| AI STUO, 21-01                       |         | LISTED, 05-64 | 36 | WITH HERO-MATES        | 36   | 13,040 | 3.7 | 486                 | 20    | 13,435 | 486 | 12,247        | 457 |
| STATES- 21                           |         |               |    |                        |      |        |     |                     | OIFF. | 395-   |     |               |     |
| 1355038 .....                        |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
|                                      |         |               | 6  | NON-AI DAUGHTERS       | 7    | 10,943 | 3.8 | 411                 |       |        |     |               |     |
| STATES- 82                           |         |               | 6  | WITH HERO-MATES        | 7    | 10,943 | 3.8 | 411                 | 4     | 12,628 | 443 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 1685-  | 32- |               |     |
| 1355056 .....                        |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
|                                      |         |               | 5  | NON-AI DAUGHTERS       | 5    | 10,796 | 3.7 | 399                 |       |        |     |               |     |
| STATES- 52,55                        |         |               | 5  | WITH HERO-MATES        | 5    | 10,796 | 3.7 | 399                 | 18    | 11,676 | 420 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 880-   | 21- |               |     |
| 1355285 SISSON FARMS TOPSY ARA8..... |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
| 12-26-58                             | 1213698 | 3577416       | 9  | NON-AI DAUGHTERS       | 10   | 12,806 | 3.9 | 496                 |       |        |     |               |     |
|                                      |         | LISTED, 11-63 | 9  | WITH HERO-MATES        | 10   | 12,806 | 3.9 | 496                 | 14    | 13,222 | 513 |               |     |
| STATES- 51                           |         |               |    |                        |      |        |     |                     | OIFF. | 416-   | 17- |               |     |
| 1355583 .....                        |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
|                                      |         |               | 5  | NON-AI DAUGHTERS       | 6    | 13,100 | 3.6 | 469                 |       |        |     |               |     |
| STATES- 35                           |         |               | 5  | WITH HERO-MATES        | 6    | 13,100 | 3.6 | 469                 | 8     | 12,330 | 445 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 770    | 24  |               |     |
| 1355587 .....                        |         |               |    |                        |      |        |     |                     |       |        |     |               |     |
|                                      |         |               | 5  | NON-AI DAUGHTERS       | 5    | 10,304 | 3.7 | 386                 |       |        |     |               |     |
| STATES- 31                           |         |               | 5  | WITH HERO-MATES        | 5    | 10,304 | 3.7 | 386                 | 22    | 10,721 | 396 |               |     |
|                                      |         |               |    |                        |      |        |     |                     | OIFF. | 417-   | 10- |               |     |



## SIREs OF DHIA DAUGHTERS

| HDLSTEIN  | AV. PRODUCTION OF DAU. |             |           |            | ADJ. HERO-MATES AV. |             |            | PREDICTED AV. |            |
|---|------------------------|-------------|-----------|------------|---------------------|-------------|------------|---------------|------------|
|   | RECORDS<br>NUMBER      | MILK<br>LBS | TEST<br>% | FAT<br>LBS | AV.<br>NUMBER       | MILK<br>LBS | FAT<br>LBS | MILK<br>LBS   | FAT<br>LBS |
| 1355640 M V 8 A RULER DE KDL BANNER.....<br>09-01-58 964278 4031923 7 AI DAUGHTERS-02<br>AI STUD, 41-01 LISTED, 05-64 7 WITH HERD-MATES<br>STATES- 41     | 7                      | 11,977      | 3.4       | 406        |                     |             |            |               |            |
|   | 7                      | 11,977      | 3.4       | 406        | 61                  | 13,729      | 474        | 11,886        | 431        |
|   |                        |             |           |            | DIFF.               | 1752-       | 68-        |               |            |
|   | 1                      | 8,700       | 3.9       | 337        |                     |             |            |               |            |
|   | 1                      | 8,700       | 3.9       | 337        | 16                  | 9,893       | 354        |               |            |
|   |                        |             |           |            | DIFF.               | 1193-       | 17-        |               |            |
| 1355686 .....<br>STATES- 92   | 6                      | 16,038      | 3.7       | 593        |                     |             |            |               |            |
|   | 6                      | 16,038      | 3.7       | 593        | 6                   | 15,826      | 567        |               |            |
|   |                        |             |           |            | DIFF.               | 212         | 26         |               |            |
| 1355783 THDNMYA TRAOTITDN.....<br>01-24-59 1013415 3213409 26 AI DAUGHTERS-21<br>AI STUD, 87-01 LISTED, 05-64 26 WITH HERD-MATES<br>STATES- 82,84,87      | 26                     | 13,138      | 3.6       | 476        |                     |             |            |               |            |
|   | 26                     | 13,138      | 3.6       | 476        | 13                  | 13,334      | 487        | 12,396        | 450        |
|   |                        |             |           |            | DIFF.               | 196-        | 11-        |               |            |
| 1355784 .....<br>AI STUD, 31-02 6 NON-AI DAUGHTERS<br>STATES- 31,71 6 WITH HERD-MATES   | 6                      | 12,985      | 3.5       | 448        |                     |             |            |               |            |
|   | 6                      | 12,985      | 3.5       | 448        | 14                  | 13,801      | 484        |               |            |
|   |                        |             |           |            | DIFF.               | 816-        | 36-        |               |            |
| 1355850 .....<br>STATES- 41   | 5                      | 14,773      | 3.5       | 512        |                     |             |            |               |            |
|   | 5                      | 14,773      | 3.5       | 512        | 13                  | 14,306      | 520        |               |            |
|   |                        |             |           |            | DIFF.               | 467         | 8-         |               |            |
| 1355853 CRESTDN HAPPY ACE.....<br>10-12-58 1186187 4175267 9 NON-AI DAUGHTERS<br>LISTED, 05-64 9 WITH HERD-MATES<br>STATES- 34                            | 9                      | 15,814      | 4.1       | 652        |                     |             |            |               |            |
|   | 9                      | 15,814      | 4.1       | 652        | 15                  | 16,097      | 620        |               |            |
|   |                        |             |           |            | DIFF.               | 283-        | 32         |               |            |
| 1355927 .....<br>STATES- 14   | 5                      | 15,271      | 3.4       | 517        |                     |             |            |               |            |
|   | 5                      | 15,271      | 3.4       | 517        | 19                  | 14,302      | 479        |               |            |
|   |                        |             |           |            | DIFF.               | 969         | 38         |               |            |
| 1355942 ELMDKA HDMESTEAO MARTY.....<br>02-07-59 1178237 3513388 11 AI DAUGHTERS-08<br>AI STUD, 35-05 LISTED, 05-64 11 WITH HERD-MATES<br>STATES- 33,35,71 | 11                     | 12,906      | 3.9       | 502        |                     |             |            |               |            |
|   | 11                     | 12,906      | 3.9       | 502        | 11                  | 13,279      | 482        | 12,334        | 466        |
|   |                        |             |           |            | DIFF.               | 373-        | 20         |               |            |
| 1356103 .....<br>STATES- 91   | 7                      | 15,397      | 3.5       | 532        |                     |             |            |               |            |
|   | 7                      | 15,397      | 3.5       | 532        | 39                  | 14,747      | 533        |               |            |
|   |                        |             |           |            | DIFF.               | 650         | 1-         |               |            |
| 1356161 .....<br>STATES- 61   | 6                      | 13,135      | 3.7       | 492        |                     |             |            |               |            |
|   | 6                      | 13,135      | 3.7       | 492        | 19                  | 12,505      | 454        |               |            |
|   |                        |             |           |            | DIFF.               | 630         | 38         |               |            |
| 1356309 .....<br>STATES- 42   | 5                      | 13,318      | 3.6       | 482        |                     |             |            |               |            |
|   | 5                      | 13,318      | 3.6       | 482        | 17                  | 13,877      | 510        |               |            |
|   |                        |             |           |            | DIFF.               | 559-        | 28-        |               |            |
| 1356479 .....<br>STATES- 51   | 5                      | 7,896       | 3.5       | 279        |                     |             |            |               |            |
|   | 5                      | 7,896       | 3.5       | 279        | 18                  | 9,404       | 334        |               |            |
|   |                        |             |           |            | DIFF.               | 1508-       | 55-        |               |            |
| 1356513 PIEBE SUPREME DRMSBY LAD.....<br>06-18-58 1285027 4713656 9 NON-AI DAUGHTERS<br>LISTED, 05-64 9 WITH HERD-MATES<br>STATES- 48                     | 10                     | 14,119      | 3.4       | 487        |                     |             |            |               |            |
|   | 10                     | 14,119      | 3.4       | 487        | 31                  | 13,542      | 489        |               |            |
|   |                        |             |           |            | DIFF.               | 577         | 2-         |               |            |
| 1356672 .....<br>STATES- 21   | 5                      | 17,936      | 3.7       | 669        |                     |             |            |               |            |
|   | 5                      | 17,936      | 3.7       | 669        | 79                  | 16,428      | 615        |               |            |
|   |                        |             |           |            | DIFF.               | 1508        | 54         |               |            |
| 1356749 8DYDEN OALE MARK GEER.....<br>09-20-58 1314821 3829078 9 NON-AI DAUGHTERS<br>LISTED, 05-64 9 WITH HERD-MATES<br>STATES- 21                        | 9                      | 12,229      | 3.5       | 423        |                     |             |            |               |            |
|   | 9                      | 12,229      | 3.5       | 423        | 35                  | 12,286      | 428        |               |            |
|   |                        |             |           |            | DIFF.               | 57-         | 5-         |               |            |
| 1356806 .....<br>STATES- 48   | 5                      | 12,122      | 3.8       | 462        |                     |             |            |               |            |
|   | 2                      | 10,985      | 4.0       | 434        | 4                   | 13,835      | 488        |               |            |
|   |                        |             |           |            | DIFF.               | 2850-       | 54-        |               |            |
| 1356967 HANDY FARMS ZU8I YDGI.....<br>03-01-59 1094074 3314036 11 NON-AI DAUGHTERS<br>LISTED, 03-64 11 WITH HERD-MATES<br>STATES- 21                      | 11                     | 13,289      | 3.6       | 476        |                     |             |            |               |            |
|   | 11                     | 13,289      | 3.6       | 476        | 14                  | 13,467      | 479        |               |            |
|   |                        |             |           |            | DIFF.               | 178-        | 3-         |               |            |
| 1356970 .....<br>STATES- 46   | 9                      | 14,081      | 3.5       | 493        |                     |             |            |               |            |
|   | 9                      | 14,081      | 3.5       | 493        | 25                  | 13,243      | 472        |               |            |
|   |                        |             |           |            | DIFF.               | 838         | 21         |               |            |
| 1357092 .....<br>STATES- 32   | 6                      | 16,998      | 4.0       | 677        |                     |             |            |               |            |
|   | 6                      | 16,998      | 4.0       | 677        | 25                  | 15,875      | 600        |               |            |
|   |                        |             |           |            | DIFF.               | 1123        | 77         |               |            |
| 1357215 .....<br>STATES- 35   | 8                      | 16,225      | 3.7       | 596        |                     |             |            |               |            |
|   | 8                      | 16,225      | 3.7       | 596        | 22                  | 15,811      | 572        |               |            |
|   |                        |             |           |            | DIFF.               | 414         | 24         |               |            |

## SIREs OF DHIA DAUGHTERS

| HDLSTEIN                                   |    |                  |    | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. |        | PREDICTED AV. |
|--|----|------------------|----|------------------------|---------------------|--------|---------------|
|  |    |                  |    | RECD RDS MILK TEST FAT | AV. MILK FAT        |        | MILK FAT      |
|  |    |                  |    | NUMBER LB % LB         | NUMBER LB LB        |        | LB LB         |
| 1357256 .....                              |    |                  |    |                        |                     |        |               |
| STATES- 48                                 | 5  | NDN-AI DAUGHTERS | 5  | 16,166 3.5 568         | 21                  | 14,741 | 523           |
|  | 5  | WITH HERD-MATES  | 5  | 16,166 3.5 568         | DIFF.               | 1425   | 45            |
| 1357258 STEEL-BILT AJAX SKYLARK DDN.....   |    |                  |    |                        |                     |        |               |
| 02-12-59 1303046 3408898                   | 10 | NON-AI DAUGHTERS | 12 | 10,732 4.0 429         |                     |        |               |
| LISTED, 05-64                              | 10 | WITH HERD-MATES  | 12 | 10,732 4.0 429         | 34                  | 11,636 | 428           |
| STATES- 52                                 |    |                  |    |                        | DIFF.               | 904-   | 1             |
| 1357348 HOBOKEN SEGIS BEL.....             |    |                  |    |                        |                     |        |               |
| 09-20-57 1049547 3971667                   | 9  | NON-AI DAUGHTERS | 13 | 12,399 3.6 449         |                     |        |               |
| LISTED, 11-63                              | 9  | WITH HERD-MATES  | 13 | 12,399 3.6 449         | 26                  | 13,749 | 491           |
| STATES- 21                                 |    |                  |    |                        | DIFF.               | 1350-  | 42-           |
| 1357507 HAZELWDDD DRMSBY PREMIER.....      |    |                  |    |                        |                     |        |               |
| 03-25-55 1176328 3048047                   | 10 | NDN-AI DAUGHTERS | 14 | 13,579 3.6 485         |                     |        |               |
| LISTED, 08-63                              | 9  | WITH HERD-MATES  | 12 | 13,649 3.6 487         | 11                  | 13,787 | 499           |
| STATES- 91                                 |    |                  |    |                        | DIFF.               | 138-   | 12-           |
| 1357592 STURDY OAK REVELATION CLIPPER..... |    |                  |    |                        |                     |        |               |
| 12-20-58 1230733 3083476                   | 19 | AI DAUGHTERS-14  | 19 | 13,017 3.6 467         |                     |        |               |
| AI STUD, 35-05 LISTED, 05-64               | 19 | WITH HERD-MATES  | 19 | 13,017 3.6 467         | 11                  | 13,133 | 479           |
| STATES- 33,35,71                           |    |                  |    |                        | DIFF.               | 116-   | 12-           |
| 1357743 .....                              |    |                  |    |                        |                     |        |               |
| STATES- 93                                 | 18 | NDN-AI DAUGHTERS | 18 | 16,316 3.7 603         |                     |        |               |
|  | 18 | WITH HERD-MATES  | 18 | 16,316 3.7 603         | 21                  | 14,710 | 514           |
|  |    |                  |    |                        | DIFF.               | 1606   | 89            |
| 1357759 TIDY BURKE ADMIRAL SYMBDL.....     |    |                  |    |                        |                     |        |               |
| 10-02-58 1283538 46258D5                   | 8  | NDN-AI DAUGHTERS | 8  | 16,815 3.6 603         |                     |        |               |
| LISTED, 05-64                              | 8  | WITH HERD-MATES  | 8  | 16,815 3.6 603         | 19                  | 15,928 | 548           |
| STATES- 84                                 |    |                  |    |                        | DIFF.               | 887    | 55            |
| 1357762 .....                              |    |                  |    |                        |                     |        |               |
| STATES- 48                                 | 6  | NON-AI DAUGHTERS | 6  | 15,810 3.6 574         |                     |        |               |
|  | 6  | WITH HERD-MATES  | 6  | 15,810 3.6 574         | 12                  | 13,807 | 505           |
|  |    |                  |    |                        | DIFF.               | 2003   | 69            |
| 1357770 .....                              |    |                  |    |                        |                     |        |               |
| STATES- 31                                 | 5  | NON-AI DAUGHTERS | 5  | 15,960 3.7 596         |                     |        |               |
|  | 4  | WITH HERD-MATES  | 4  | 17,883 3.7 664         | 10                  | 16,657 | 612           |
|  |    |                  |    |                        | DIFF.               | 1226   | 52            |
| 1357797 BILLVER OLIVER KING.....           |    |                  |    |                        |                     |        |               |
| 01-29-59 1061147 4173854                   | 22 | AI DAUGHTERS-18  | 22 | 13,791 4.0 548         |                     |        |               |
| AI STUD, 35-03 LISTED, 05-64               | 22 | WITH HERD-MATES  | 22 | 13,791 4.0 548         | 11                  | 13,654 | 499           |
| STATES- 35,74                              |    |                  |    |                        | DIFF.               | 137    | 49            |
| 1357873 .....                              |    |                  |    |                        |                     |        |               |
| STATES- 21                                 | 13 | NDN-AI DAUGHTERS | 14 | 12,515 3.7 469         |                     |        |               |
|  | 12 | WITH HERD-MATES  | 13 | 12,438 3.8 473         | 17                  | 14,035 | 538           |
|  |    |                  |    |                        | DIFF.               | 1597-  | 65-           |
| 1358094 MAR-DU PAT VEEDICTION.....         |    |                  |    |                        |                     |        |               |
| 09-01-57 12105D7 4630816                   | 9  | NDN-AI DAUGHTERS | 12 | 12,000 3.5 424         |                     |        |               |
| LISTED, 11-63                              | 9  | WITH HERD-MATES  | 12 | 12,000 3.5 424         | 6                   | 12,381 | 439           |
| STATES- 48                                 |    |                  |    |                        | DIFF.               | 381-   | 15-           |
| 1358168 .....                              |    |                  |    |                        |                     |        |               |
| STATES- 21                                 | 5  | NDN-AI DAUGHTERS | 5  | 13,292 3.9 513         |                     |        |               |
|  | 5  | WITH HERD-MATES  | 5  | 13,292 3.9 513         | 13                  | 12,920 | 455           |
|  |    |                  |    |                        | DIFF.               | 372    | 58            |
| 1358255 .....                              |    |                  |    |                        |                     |        |               |
| AI STUD, 21-01                             | 7  | AI DAUGHTERS-07  | 7  | 12,674 3.5 443         |                     |        |               |
| STATES- 21                                 | 7  | WITH HERD-MATES  | 7  | 12,674 3.5 443         | 13                  | 12,501 | 452           |
|  |    |                  |    |                        | DIFF.               | 173    | 9-            |
| 1358308 .....                              |    |                  |    |                        |                     |        |               |
| STATES- 12                                 | 6  | NDN-AI DAUGHTERS | 6  | 12,422 3.4 421         |                     |        |               |
|  | 6  | WITH HERD-MATES  | 6  | 12,422 3.4 421         | 8                   | 13,675 | 476           |
|  |    |                  |    |                        | DIFF.               | 1253-  | 55-           |
| 1358417 RICH-HERD TEXAL SUNRISE.....       |    |                  |    |                        |                     |        |               |
| 07-29-58 1289092 4405509                   | 15 | NDN-AI DAUGHTERS | 15 | 16,374 3.6 583         |                     |        |               |
| LISTED, 03-64                              | 15 | WITH HERD-MATES  | 15 | 16,374 3.6 583         | 32                  | 15,093 | 539           |
| STATES- 47                                 |    |                  |    |                        | DIFF.               | 1281   | 44            |
| 1358462 .....                              |    |                  |    |                        |                     |        |               |
| STATES- 47                                 | 7  | NON-AI DAUGHTERS | 7  | 8,387 3.7 311          |                     |        |               |
|  | 7  | WITH HERD-MATES  | 7  | 8,387 3.7 311          | 13                  | 10,110 | 366           |
|  |    |                  |    |                        | DIFF.               | 1723-  | 55-           |
| 1358534 .....                              |    |                  |    |                        |                     |        |               |
| STATES- 55                                 | 6  | NON-AI DAUGHTERS | 6  | 10,335 3.2 333         |                     |        |               |
|  | 6  | WITH HERD-MATES  | 6  | 10,335 3.2 333         | 11                  | 12,091 | 404           |
|  |    |                  |    |                        | DIFF.               | 1756-  | 71-           |
| 1358647 PABST ADMIRATION.....              |    |                  |    |                        |                     |        |               |
| 12-10-58 1152252 3375453                   | 14 | NON-AI DAUGHTERS | 14 | 14,206 3.7 531         |                     |        |               |
| LISTED, 05-64                              | 14 | WITH HERD-MATES  | 14 | 14,206 3.7 531         | 39                  | 13,910 | 501           |
| STATES- 21,34,35,41,42,52                  |    |                  |    |                        | DIFF.               | 296    | 30            |
| 1358771 CARNATION BUTTER BDY MADCAP.....   |    |                  |    |                        |                     |        |               |
| 04-15-58 1152252 3642493                   | 22 | NON-AI DAUGHTERS | 25 | 12,656 3.7 474         |                     |        |               |
| LISTED, 11-63                              | 22 | WITH HERD-MATES  | 25 | 12,656 3.7 474         | 13                  | 12,950 | 458           |
| STATES- 48                                 |    |                  |    |                        | DIFF.               | 294-   | 16            |
| 1358823 SKOKIE MARATHON BOY.....           |    |                  |    |                        |                     |        |               |
| 05-22-59 1282185 2872217                   | 15 | AI DAUGHTERS-14  | 15 | 11,197 3.8 425         |                     |        |               |
| AI STUD, 23-04 LISTED, 05-64               | 15 | WITH HERD-MATES  | 15 | 11,197 3.8 425         | 15                  | 13,217 | 505           |
| STATES- 23                                 |    |                  |    |                        | DIFF.               | 2020-  | 80-           |
|  |    |                  |    |                        |                     |        | 11,401 414    |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   | AV. PRODUCTION OF |        |      |     | ADJ. HERO-MATES |        |     | PREOICTED AV. |     |
|--|-------------------|--------|------|-----|-----------------|--------|-----|---------------|-----|
|  | RECORDS           | MILK   | TEST | FAT | AV.             | MILK   | FAT | MILK          | FAT |
|  | NUMBER            | L8     | %    | L8  | NUMBER          | L8     | L8  | L8            | L8  |
| 1358826 CURTMAID EXCELLENT BESS.....                     |                   |        |      |     |                 |        |     |               |     |
| 07-06-54 921070 4292395 21 NON-AI DAUGHTERS              | 21                | 16,863 | 3.3  | 563 |                 |        |     |               |     |
| LISTED, 11-63 21 WITH HERD-MATES                         | 21                | 16,863 | 3.3  | 563 | 115             | 16,980 | 596 |               |     |
| STATES- 93   |                   |        |      |     | OIFF.           | 117-   | 33- |               |     |
| 1358946 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 41   | 6                 | 13,070 | 3.6  | 468 | 13              | 12,546 | 451 |               |     |
|  | 6                 | 13,070 | 3.6  | 468 | OIFF.           | 524    | 17  |               |     |
| 1359071 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 42   | 8                 | 10,165 | 3.9  | 394 | 14              | 10,475 | 368 |               |     |
|  | 8                 | 10,165 | 3.9  | 394 | DIFF.           | 310-   | 26  |               |     |
| 1359288 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 34   | 5                 | 11,124 | 3.3  | 367 | 5               | 12,692 | 435 |               |     |
|  | 5                 | 11,124 | 3.3  | 367 | DIFF.           | 1568-  | 68- |               |     |
| 1359626 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 47   | 6                 | 16,693 | 3.8  | 640 | 28              | 13,357 | 493 |               |     |
|  | 6                 | 16,693 | 3.8  | 640 | OIFF.           | 3336   | 147 |               |     |
| 1359691 JENSENDALE SPIES HOMESTEAD.....                  |                   |        |      |     |                 |        |     |               |     |
| 05-14-58 1278144 4060591 15 NON-AI DAUGHTERS             | 15                | 9,535  | 3.5  | 330 |                 |        |     |               |     |
| LISTED, 08-63 15 WITH HERD-MATES                         | 15                | 9,535  | 3.5  | 330 | 9               | 12,137 | 422 |               |     |
| STATES- 42   |                   |        |      |     | OIFF.           | 2602-  | 92- |               |     |
| 1359770 GRAY VIEW SKYLIGHTER.....                        |                   |        |      |     |                 |        |     |               |     |
| 09-13-58 915940 3352652 26 AI DAUGHTERS-23               | 26                | 13,488 | 3.6  | 482 |                 |        |     |               |     |
| AI STUO, 33-03 LISTED, 03-64 24 WITH HERD-MATES          | 24                | 13,361 | 3.6  | 479 | 39              | 13,132 | 480 | 12,666        | 456 |
| STATES- 13,16,21,23,32,33,34, 35,41,42,46,48,51,52,91,93 | 5                 | 14,394 | 3.6  | 525 | OIFF.           | 229    | 1-  |               |     |
|  | 5                 | 14,394 | 3.6  | 525 | 23              | 14,351 | 551 |               |     |
|  |                   |        |      |     | OIFF.           | 43     | 26- |               |     |
| 1359871 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 48   | 5                 | 12,526 | 3.7  | 464 | 12              | 13,037 | 486 |               |     |
|  | 5                 | 12,526 | 3.7  | 464 | OIFF.           | 511-   | 22- |               |     |
| 1359919 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 48   | 6                 | 14,105 | 3.7  | 521 | 17              | 14,374 | 533 |               |     |
|  | 6                 | 14,105 | 3.7  | 521 | OIFF.           | 269-   | 12- |               |     |
| 1360261 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 21   | 7                 | 13,554 | 3.4  | 465 | 17              | 14,656 | 532 |               |     |
|  | 7                 | 13,554 | 3.4  | 465 | OIFF.           | 1102-  | 67- |               |     |
| 1360464 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 52   | 5                 | 12,888 | 3.8  | 490 | 19              | 13,297 | 514 |               |     |
|  | 5                 | 12,888 | 3.8  | 490 | OIFF.           | 409-   | 24- |               |     |
| 1360562 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 21   | 7                 | 13,706 | 3.7  | 501 | 25              | 13,085 | 467 |               |     |
|  | 7                 | 13,706 | 3.7  | 501 | OIFF.           | 621    | 34  |               |     |
| 1360563 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 21   | 6                 | 13,530 | 3.5  | 472 | 24              | 12,995 | 466 |               |     |
|  | 6                 | 13,530 | 3.5  | 472 | OIFF.           | 535    | 6   |               |     |
| 1360578 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 52   | 9                 | 13,963 | 3.3  | 457 | 46              | 14,239 | 486 |               |     |
|  | 9                 | 13,963 | 3.3  | 457 | OIFF.           | 276-   | 29- |               |     |
| 1360666 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 93   | 9                 | 16,188 | 3.5  | 562 | 145             | 16,300 | 557 |               |     |
|  | 9                 | 16,188 | 3.5  | 562 | OIFF.           | 112-   | 5   |               |     |
| 1360705 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 91   | 5                 | 12,486 | 3.4  | 429 | 18              | 13,550 | 473 |               |     |
|  | 5                 | 12,486 | 3.4  | 429 | OIFF.           | 1064-  | 44- |               |     |
| 1360741 .....  |                   |        |      |     |                 |        |     |               |     |
| AI STUO, 11-01   | 9                 | 10,582 | 4.0  | 424 | 12              | 12,602 | 484 | 11,696        | 434 |
| STATES- 11   | 8                 | 10,651 | 4.0  | 429 | OIFF.           | 1951-  | 55- |               |     |
|  | 3                 | 11,513 | 4.0  | 463 | 9               | 12,497 | 464 |               |     |
|  | 3                 | 11,513 | 4.0  | 463 | OIFF.           | 984-   | 1-  |               |     |
| 1360780 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 87   | 5                 | 14,024 | 3.6  | 511 | 16              | 12,798 | 480 |               |     |
|  | 5                 | 14,024 | 3.6  | 511 | OIFF.           | 1226   | 31  |               |     |
| 1361059 .....  |                   |        |      |     |                 |        |     |               |     |
| STATES- 42   | 8                 | 6,773  | 3.8  | 256 | 6               | 9,132  | 332 |               |     |
|  | 7                 | 7,014  | 3.8  | 264 | OIFF.           | 2118-  | 68- |               |     |
| 1361065 GLENAFTON RAG APPLE HIGHLIGHT.....               |                   |        |      |     |                 |        |     |               |     |
| 02-13-59 010239301 010723716 27 AI DAUGHTERS-24          | 27                | 13,960 | 4.0  | 564 | 15              | 13,698 | 489 | 12,719        | 507 |
| AI STUO, 35-03 LISTED, 05-64 26 WITH HERD-MATES          | 26                | 13,940 | 4.0  | 562 | OIFF.           | 242    | 73  |               |     |
| STATES- 35,61  | 1                 | 14,180 | 3.2  | 450 | 16              | 14,473 | 492 |               |     |
|  | 1                 | 14,180 | 3.2  | 450 | OIFF.           | 293-   | 42- |               |     |



## SIRE OF OHIA DAUGHTERS

| SIRES OF CHIA DAUGHTERS                |  |  |  | AV. PRODUCTION OF DAU. |        |      |     | AV. HERO-MATES |        |     | PREDICTED AV. |     |
|--|--|--|--|------------------------|--------|------|-----|----------------|--------|-----|---------------|-----|
| HOLSTEIN                               |  |  |  | RECORDS                | MILK   | TEST | FAT | AV.            | MILK   | FAT | MILK          | FAT |
|  |  |  |  | NUMBER                 | L8     | %    | L8  | NUMBER         | L8     | L8  | L8            | L8  |
| 1361460 .....                          |  |  |  |                        |        |      |     |                |        |     |               |     |
| STATES- 42                             |  |  |  | 5                      | 14,490 | 4.0  | 573 |                |        |     |               |     |
|  |  |  |  | 5                      | 14,490 | 4.0  | 573 | 10             | 13,175 | 481 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 1315   | 92  |               |     |
| 1361509 TIOY BURKE HARVEY.....         |  |  |  |                        |        |      |     |                |        |     |               |     |
| 01-07-58 1195221 3348182               |  |  |  | 20                     | 13,794 | 3.7  | 510 |                |        |     |               |     |
| STATES- 48                             |  |  |  | 20                     | 13,794 | 3.7  | 510 | 7              | 15,710 | 562 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 1916-  | 52- |               |     |
| 1361535 PINEHURST ADMIRAL VICTORY..... |  |  |  |                        |        |      |     |                |        |     |               |     |
| 09-25-58 1211333 3880171               |  |  |  | 8                      | 15,316 | 3.9  | 595 |                |        |     |               |     |
| STATES- 35                             |  |  |  | 8                      | 15,316 | 3.9  | 595 | 16             | 14,845 | 567 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 471    | 28  |               |     |
| 1361641 .....                          |  |  |  |                        |        |      |     |                |        |     |               |     |
| STATES- 33                             |  |  |  | 6                      | 14,407 | 3.4  | 488 |                |        |     |               |     |
|  |  |  |  | 6                      | 14,407 | 3.4  | 488 | 19             | 13,298 | 480 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 1109   | 8   |               |     |
| 1361670 IOEAL FORBES HERMAN.....       |  |  |  |                        |        |      |     |                |        |     |               |     |
| 02-24-58 1235097 3616738               |  |  |  | 8                      | 13,616 | 3.7  | 510 |                |        |     |               |     |
| STATES- 48                             |  |  |  | 8                      | 13,616 | 3.7  | 510 | 20             | 13,318 | 506 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 298    | 4   |               |     |
| 1361932 .....                          |  |  |  |                        |        |      |     |                |        |     |               |     |
| AI STUO, 71-01                         |  |  |  | 8                      | 11,149 | 3.3  | 364 |                |        |     |               |     |
| STATES- 71,85                          |  |  |  | 8                      | 11,149 | 3.3  | 364 | 16             | 11,170 | 385 | 12,411        | 444 |
|  |  |  |  |                        |        |      |     | OIFF.          | 21-    | 21- |               |     |
| 1361940 .....                          |  |  |  |                        |        |      |     |                |        |     |               |     |
| STATES- 41                             |  |  |  | 5                      | 10,156 | 3.7  | 374 |                |        |     |               |     |
|  |  |  |  | 5                      | 10,156 | 3.7  | 374 | 13             | 10,417 | 358 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 261-   | 16  |               |     |
| 1361970 .....                          |  |  |  |                        |        |      |     |                |        |     |               |     |
| STATES- 21                             |  |  |  | 7                      | 12,446 | 3.5  | 433 |                |        |     |               |     |
|  |  |  |  | 7                      | 12,446 | 3.5  | 433 | 26             | 13,649 | 488 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 1203-  | 55- |               |     |
| 1362073 .....                          |  |  |  |                        |        |      |     |                |        |     |               |     |
| STATES- 11                             |  |  |  | 7                      | 8,509  | 3.7  | 315 |                |        |     |               |     |
|  |  |  |  | 7                      | 8,509  | 3.7  | 315 | 10             | 10,322 | 398 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 1813-  | 83- |               |     |
| 1362327 .....                          |  |  |  |                        |        |      |     |                |        |     |               |     |
| STATES- 50                             |  |  |  | 6                      | 17,435 | 3.4  | 595 |                |        |     |               |     |
|  |  |  |  | 6                      | 17,435 | 3.4  | 595 | 12             | 13,521 | 512 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 3914   | 83  |               |     |
| 1362482 .....                          |  |  |  |                        |        |      |     |                |        |     |               |     |
| STATES- 21                             |  |  |  | 6                      | 15,088 | 3.7  | 564 |                |        |     |               |     |
|  |  |  |  | 6                      | 15,362 | 3.7  | 570 | 13             | 13,946 | 508 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 1416   | 62  |               |     |
| 1362609 .....                          |  |  |  |                        |        |      |     |                |        |     |               |     |
| STATES- 35,74                          |  |  |  | 6                      | 14,650 | 3.5  | 507 |                |        |     |               |     |
|  |  |  |  | 6                      | 14,650 | 3.5  | 507 | 30             | 14,767 | 530 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 117-   | 23- |               |     |
| 1362844 MY-T ARISTOCRAT JEWEL.....     |  |  |  |                        |        |      |     |                |        |     |               |     |
| 09-25-58 1124780 4096550               |  |  |  | 14                     | 13,231 | 3.6  | 471 |                |        |     |               |     |
| STATES- 21                             |  |  |  | 14                     | 13,231 | 3.6  | 471 | 52             | 14,621 | 530 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 1390-  | 59- |               |     |
| 1362921 .....                          |  |  |  |                        |        |      |     |                |        |     |               |     |
| STATES- 52                             |  |  |  | 10                     | 11,900 | 3.4  | 399 |                |        |     |               |     |
|  |  |  |  | 10                     | 11,900 | 3.4  | 399 | 46             | 12,086 | 435 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 186-   | 36- |               |     |
| 1362954 .....                          |  |  |  |                        |        |      |     |                |        |     |               |     |
| STATES- 55                             |  |  |  | 6                      | 10,893 | 3.7  | 402 |                |        |     |               |     |
|  |  |  |  | 6                      | 10,893 | 3.7  | 402 | 31             | 11,548 | 417 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 655-   | 15- |               |     |
| 1363105 .....                          |  |  |  |                        |        |      |     |                |        |     |               |     |
| STATES- 48                             |  |  |  | 5                      | 15,079 | 3.7  | 561 |                |        |     |               |     |
|  |  |  |  | 5                      | 15,079 | 3.7  | 561 | 21             | 13,613 | 491 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 1466   | 70  |               |     |
| 1363171 8-JEO WINTERTHUR MAT.....      |  |  |  |                        |        |      |     |                |        |     |               |     |
| 07-16-58 1216240 3317238               |  |  |  | 16                     | 13,145 | 3.7  | 482 |                |        |     |               |     |
| STATES- 48                             |  |  |  | 16                     | 13,145 | 3.7  | 482 | 20             | 12,870 | 480 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 275    | 2   |               |     |
| 1363432 .....                          |  |  |  |                        |        |      |     |                |        |     |               |     |
| AI STUO, 21-01                         |  |  |  | 4                      |        |      |     |                |        |     |               |     |
| STATES- 21                             |  |  |  | 4                      |        |      |     |                |        |     |               |     |
|  |  |  |  | 1                      | 9,895  | 3.8  | 380 |                |        |     |               |     |
|  |  |  |  | 1                      | 9,895  | 3.8  | 380 | 11             | 13,412 | 471 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 3517-  | 91- |               |     |
| 1363507 SKOKIE CHAMPION OUK.....       |  |  |  |                        |        |      |     |                |        |     |               |     |
| 06-16-59 1288610 3999939               |  |  |  | 8                      | 13,911 | 3.6  | 495 |                |        |     |               |     |
| AI STUO, 33-02                         |  |  |  | 8                      | 13,911 | 3.6  | 495 | 7              | 13,351 | 476 | 12,730        | 463 |
| STATES- 33                             |  |  |  |                        |        |      |     | OIFF.          | 560    | 19  |               |     |
| 1363694 LOWDALE MASTER OUK.....        |  |  |  |                        |        |      |     |                |        |     |               |     |
| 04-02-58 1301511 3880870               |  |  |  | 13                     | 12,465 | 3.5  | 438 |                |        |     |               |     |
| STATES- 21                             |  |  |  | 13                     | 12,465 | 3.5  | 438 | 16             | 13,819 | 488 |               |     |
|  |  |  |  |                        |        |      |     | OIFF.          | 1354-  | 50- |               |     |

## SIRE OF DHIA DAUGHTERS

| HOLSTEIN  | AV. PRODUCTION OF |        |      |     | ADJ. HERD-MATES |        |      | PREDICTED AV. |     |
|---|-------------------|--------|------|-----|-----------------|--------|------|---------------|-----|
|   | RECORDS           | MILK   | TEST | FAT | AV.             | MILK   | FAT  | MILK          | FAT |
|   | NUMBER            | L8     | %    | L8  | NUMBER          | L8     | L8   | L8            | L8  |
| 1363897 RENSINK PEGGY SHOW80Y.....              |                   |        |      |     |                 |        |      |               |     |
| D8-26-58 1293409 395364D 10 NON-AI DAUGHTERS    | 11                | 14,416 | 3.7  | 533 |                 |        |      |               |     |
| LISTED, D3-64 9 WITH HERD-MATES                 | 9                 | 14,71D | 3.7  | 541 | 11              | 15,296 | 531  |               |     |
| STATES- 42                                      |                   |        |      |     | DIFF.           | 586-   | 1D   |               |     |
| 13640D8 .....                                   |                   |        |      |     |                 |        |      |               |     |
| 8 NON-AI DAUGHTERS                              | 8                 | 11,749 | 3.7  | 440 |                 |        |      |               |     |
| STATES- 48 8 WITH HERD-MATES                    | 8                 | 11,749 | 3.7  | 44D | 4               | 13,847 | 5D0  |               |     |
|   |                   |        |      |     | DIFF.           | 2D98-  | 6D-  |               |     |
| 1364235 .....                                   |                   |        |      |     |                 |        |      |               |     |
| 5 NON-AI DAUGHTERS                              | 5                 | 7,48D  | 4.2  | 314 |                 |        |      |               |     |
| STATES- 42 4 WITH HERD-MATES                    | 4                 | 9,D23  | 4.2  | 378 | 11              | 9,866  | 384  |               |     |
|   |                   |        |      |     | DIFF.           | 843-   | 6-   |               |     |
| 1364341 .....                                   |                   |        |      |     |                 |        |      |               |     |
| 7 NON-AI DAUGHTERS                              | 7                 | 16,183 | 3.6  | 575 |                 |        |      |               |     |
| STATES- 42 7 WITH HERD-MATES                    | 7                 | 16,183 | 3.6  | 575 | 12              | 14,787 | 532  |               |     |
|   |                   |        |      |     | DIFF.           | 1396   | 43   |               |     |
| 1364403 HOWARD FARM COMMANDER - TWIN.....       |                   |        |      |     |                 |        |      |               |     |
| 03-03-57 1232249 3437364 11 NON-AI DAUGHTERS    | 13                | 13,731 | 3.6  | 492 |                 |        |      |               |     |
| LISTED, 03-64 11 WITH HERD-MATES                | 13                | 13,731 | 3.6  | 492 | 16              | 13,552 | 494  |               |     |
| STATES- 33                                      |                   |        |      |     | DIFF.           | 179    | 2-   |               |     |
| 1364622 .....                                   |                   |        |      |     |                 |        |      |               |     |
| 6 NON-AI DAUGHTERS                              | 6                 | 15,455 | 3.6  | 559 |                 |        |      |               |     |
| STATES- 82 6 WITH HERD-MATES                    | 6                 | 15,455 | 3.6  | 559 | 32              | 15,141 | 569  |               |     |
|   |                   |        |      |     | DIFF.           | 314    | 1D-  |               |     |
| 1364653 COLLINS-CREST BURKE IDEAL DDN.....      |                   |        |      |     |                 |        |      |               |     |
| D4-22-58 1D13415 4DD4934 36 AI DAUGHTERS-25*    | 36                | 13,DD4 | 3.5  | 453 |                 |        |      |               |     |
| AI STUD, 21-D1 LISTED, D3-64 36 WITH HERD-MATES | 36                | 13,DD4 | 3.5  | 453 | 21              | 13,5D3 | 489  | 12,174        | 43D |
| STATES- 13,21                                   |                   |        |      |     | DIFF.           | 499-   | 36-  |               |     |
| 2 NON-AI DAUGHTERS                              | 3                 | 16,283 | 3.6  | 582 |                 |        |      |               |     |
| 2 WITH HERD-MATES                               | 3                 | 16,283 | 3.6  | 582 | 19              | 15,D73 | 579  |               |     |
|   |                   |        |      |     | DIFF.           | 121D   | 3    |               |     |
| 1364660 .....                                   |                   |        |      |     |                 |        |      |               |     |
| 6 NON-AI DAUGHTERS                              | 6                 | 12,053 | 4.0  | 479 |                 |        |      |               |     |
| STATES- 23 6 WITH HERD-MATES                    | 6                 | 12,D53 | 4.0  | 479 | 2D              | 13,254 | 519  |               |     |
|   |                   |        |      |     | DIFF.           | 1201-  | 40-  |               |     |
| 1364668 LANGE LEADER MODEL.....                 |                   |        |      |     |                 |        |      |               |     |
| 11-12-58 91594D 4435759 17 NON-AI DAUGHTERS     | 17                | 13,166 | 3.3  | 439 |                 |        |      |               |     |
| LISTED, D3-64 17 WITH HERD-MATES                | 17                | 13,166 | 3.3  | 439 | 26              | 14,373 | 510  |               |     |
| STATES- 21                                      |                   |        |      |     | DIFF.           | 12D7-  | 71-  |               |     |
| 136473D .....                                   |                   |        |      |     |                 |        |      |               |     |
| 8 NON-AI DAUGHTERS                              | 9                 | 14,641 | 3.6  | 525 |                 |        |      |               |     |
| STATES- 87 8 WITH HERD-MATES                    | 9                 | 14,641 | 3.6  | 525 | 21              | 15,131 | 529  |               |     |
|   |                   |        |      |     | DIFF.           | 490-   | 4-   |               |     |
| 1364825 .....                                   |                   |        |      |     |                 |        |      |               |     |
| 5 NON-AI DAUGHTERS                              | 5                 | 13,586 | 3.8  | 519 |                 |        |      |               |     |
| STATES- 21 5 WITH HERD-MATES                    | 5                 | 13,586 | 3.8  | 519 | 44              | 14,881 | 527  |               |     |
|   |                   |        |      |     | DIFF.           | 1295-  | 8-   |               |     |
| 136484D .....                                   |                   |        |      |     |                 |        |      |               |     |
| 9 NON-AI DAUGHTERS                              | 9                 | 15,392 | 3.6  | 559 |                 |        |      |               |     |
| STATES- 61 9 WITH HERD-MATES                    | 9                 | 15,392 | 3.6  | 559 | 7               | 13,682 | 491  |               |     |
|   |                   |        |      |     | DIFF.           | 171D   | 68   |               |     |
| 1365D58 .....                                   |                   |        |      |     |                 |        |      |               |     |
| 8 NON-AI DAUGHTERS                              | 8                 | 15,699 | 3.8  | 6D1 |                 |        |      |               |     |
| STATES- 47 8 WITH HERD-MATES                    | 8                 | 15,699 | 3.8  | 6D1 | 37              | 13,736 | 533  |               |     |
|   |                   |        |      |     | DIFF.           | 1963   | 68   |               |     |
| 1365315 .....                                   |                   |        |      |     |                 |        |      |               |     |
| 9 NON-AI DAUGHTERS                              | 9                 | 13,979 | 3.7  | 522 |                 |        |      |               |     |
| STATES- 42 9 WITH HERD-MATES                    | 9                 | 13,979 | 3.7  | 522 | 7               | 14,537 | 528  |               |     |
|   |                   |        |      |     | DIFF.           | 558-   | 6-   |               |     |
| 1365418 .....                                   |                   |        |      |     |                 |        |      |               |     |
| 9 AI DAUGHTERS-08                               | 9                 | 1D,593 | 3.7  | 393 |                 |        |      |               |     |
| AI STUD, 11-D1 7 WITH HERD-MATES                | 7                 | 11,D97 | 3.7  | 410 | 1D              | 13,52D | 525  | 11,637        | 416 |
| STATES- 11                                      |                   |        |      |     | DIFF.           | 2423-  | 115- |               |     |
| 1365597 GROVE LEA CAPTAIN SUPERIOR.....         |                   |        |      |     |                 |        |      |               |     |
| 1D-13-58 1144239 377D630 8 NON-AI DAUGHTERS     | 1D                | 11,4D3 | 3.2  | 369 |                 |        |      |               |     |
| LISTED, 03-64 7 WITH HERD-MATES                 | 9                 | 1D,993 | 3.2  | 354 | 10              | 11,36D | 4D6  |               |     |
| STATES- 41                                      |                   |        |      |     | DIFF.           | 367-   | 52-  |               |     |
| 1365722 .....                                   |                   |        |      |     |                 |        |      |               |     |
| 6 NON-AI DAUGHTERS                              | 6                 | 12,097 | 3.5  | 428 |                 |        |      |               |     |
| STATES- 21,47 6 WITH HERD-MATES                 | 6                 | 12,097 | 3.5  | 428 | 26              | 13,1D5 | 467  |               |     |
|   |                   |        |      |     | DIFF.           | 1DD8-  | 39-  |               |     |
| 13659D7 .....                                   |                   |        |      |     |                 |        |      |               |     |
| 6 NON-AI DAUGHTERS                              | 6                 | 12,732 | 3.7  | 474 |                 |        |      |               |     |
| STATES- 48 6 WITH HERD-MATES                    | 6                 | 12,732 | 3.7  | 474 | 16              | 12,855 | 484  |               |     |
|   |                   |        |      |     | DIFF.           | 123-   | 10-  |               |     |
| 1365941 .....                                   |                   |        |      |     |                 |        |      |               |     |
| 7 NON-AI DAUGHTERS                              | 7                 | 6,816  | 3.8  | 262 |                 |        |      |               |     |
| STATES- 23 7 WITH HERD-MATES                    | 7                 | 6,816  | 3.8  | 262 | 14              | 9,111  | 328  |               |     |
|   |                   |        |      |     | DIFF.           | 2295-  | 66-  |               |     |
| 1366152 .....                                   |                   |        |      |     |                 |        |      |               |     |
| 5 NON-AI DAUGHTERS                              | 5                 | 15,884 | 4.1  | 645 |                 |        |      |               |     |
| STATES- 14 5 WITH HERD-MATES                    | 5                 | 15,884 | 4.1  | 645 | 33              | 15,232 | 58D  |               |     |
|   |                   |        |      |     | DIFF.           | 652    | 65   |               |     |

| SIRE OF DHIA DAUGHTERS                     |    |                  |    | AV. PRDUCTION | DF   | DAU. | ADJ. | HERD-MATES | AV.    | PREDICTED | AV.    |     |
|--|----|------------------|----|---------------|------|------|------|------------|--------|-----------|--------|-----|
| HDLSTEIN                                   |    |                  |    | RECD RDS      | MILK | TEST | FAT  | AV.        | MILK   | FAT       | MILK   | FAT |
|  |    |                  |    | NUMBER        | L8   | %    | L8   | NUMBER     | L8     | L8        | L8     | L8  |
| 1366262 .....                              |    |                  |    |               |      |      |      |            |        |           |        |     |
| STATES- 50,51                              | 6  | NDN-AI DAUGHTERS | 6  | 12,123        | 3.6  | 435  |      |            |        |           |        |     |
|  | 6  | WITH HERD-MATES  | 6  | 12,123        | 3.6  | 435  |      | 18         | 12,450 | 446       |        |     |
|  |    |                  |    |               |      |      |      | DIFF.      | 327-   | 11-       |        |     |
| 1366320 .....                              |    |                  |    |               |      |      |      |            |        |           |        |     |
| STATES- 16                                 | 6  | NDN-AI DAUGHTERS | 6  | 17,497        | 3.9  | 684  |      |            |        |           |        |     |
|  | 6  | WITH HERD-MATES  | 6  | 17,497        | 3.9  | 684  |      | 53         | 15,934 | 603       |        |     |
|  |    |                  |    |               |      |      |      | DIFF.      | 1563   | 81        |        |     |
| 1366892 RAG APPLE ELMCRDFT JASPER.....     |    |                  |    |               |      |      |      |            |        |           |        |     |
| 07-11-55 010186376 010716221               | 17 | AI DAUGHTERS-15  | 17 | 13,150        | 3.6  | 472  |      |            |        |           |        |     |
| AI STUD, 61-01 LISTED, 05-64               | 17 | WITH HERD-MATES  | 17 | 13,150        | 3.6  | 472  |      | 15         | 12,677 | 451       | 12,758 | 467 |
| STATES- 61                                 |    |                  |    |               |      |      |      | DIFF.      | 473    | 21        |        |     |
| 1367466 .....                              |    |                  |    |               |      |      |      |            |        |           |        |     |
| STATES- 21                                 | 6  | NDN-AI DAUGHTERS | 6  | 12,125        | 3.3  | 402  |      |            |        |           |        |     |
|  | 6  | WITH HERD-MATES  | 6  | 12,125        | 3.3  | 402  |      | 15         | 11,765 | 416       |        |     |
|  |    |                  |    |               |      |      |      | DIFF.      | 360    | 14-       |        |     |
| 1367584 GRATEFUL DRMSBY SPUTNIK.....       |    |                  |    |               |      |      |      |            |        |           |        |     |
| 12-12-56 1053895 3642110                   | 9  | NDN-AI DAUGHTERS | 10 | 14,131        | 3.4  | 486  |      |            |        |           |        |     |
| LISTED, 03-64                              | 9  | WITH HERD-MATES  | 10 | 14,131        | 3.4  | 486  |      | 8          | 13,269 | 479       |        |     |
| STATES- 34                                 |    |                  |    |               |      |      |      | DIFF.      | 862    | 7         |        |     |
| 1367847 PRINCE CARNATION HOMESTEAD.....    |    |                  |    |               |      |      |      |            |        |           |        |     |
| 08-22-58 1213659 3945152                   | 16 | NDN-AI DAUGHTERS | 16 | 11,959        | 3.7  | 437  |      |            |        |           |        |     |
| LISTED, 05-64                              | 16 | WITH HERD-MATES  | 16 | 11,959        | 3.7  | 437  |      | 13         | 10,083 | 384       |        |     |
| STATES- 42                                 |    |                  |    |               |      |      |      | DIFF.      | 1876   | 53        |        |     |
| 1367884 .....                              |    |                  |    |               |      |      |      |            |        |           |        |     |
| STATES- 16,21,47                           | 5  | NDN-AI DAUGHTERS | 6  | 14,045        | 3.8  | 531  |      |            |        |           |        |     |
|  | 4  | WITH HERD-MATES  | 5  | 13,949        | 3.7  | 521  |      | 26         | 14,627 | 513       |        |     |
|  |    |                  |    |               |      |      |      | DIFF.      | 678-   | 8         |        |     |
| 1368026 .....                              |    |                  |    |               |      |      |      |            |        |           |        |     |
| STATES- 21                                 | 10 | NDN-AI DAUGHTERS | 10 | 13,700        | 3.8  | 521  |      |            |        |           |        |     |
|  | 10 | WITH HERD-MATES  | 10 | 13,700        | 3.8  | 521  |      | 215        | 12,545 | 458       |        |     |
|  |    |                  |    |               |      |      |      | DIFF.      | 1155   | 63        |        |     |
| 1368226 PLATTE VALLEY CRESCENT MASTER..... |    |                  |    |               |      |      |      |            |        |           |        |     |
| 01-28-58 1089774 3751655                   | 8  | NDN-AI DAUGHTERS | 8  | 12,439        | 3.6  | 451  |      |            |        |           |        |     |
| LISTED, 03-64                              | 7  | WITH HERD-MATES  | 7  | 12,674        | 3.6  | 454  |      | 11         | 13,958 | 499       |        |     |
| STATES- 47                                 |    |                  |    |               |      |      |      | DIFF.      | 1284-  | 45-       |        |     |
| 1368443 .....                              |    |                  |    |               |      |      |      |            |        |           |        |     |
| STATES- 58                                 | 7  | NDN-AI DAUGHTERS | 7  | 14,189        | 3.9  | 550  |      |            |        |           |        |     |
|  | 7  | WITH HERD-MATES  | 7  | 14,189        | 3.9  | 550  |      | 103        | 12,674 | 467       |        |     |
|  |    |                  |    |               |      |      |      | DIFF.      | 1515   | 83        |        |     |
| 1368588 BERKEY KING LEWIS.....             |    |                  |    |               |      |      |      |            |        |           |        |     |
| 01-23-58 1161772 3976856                   | 9  | NDN-AI DAUGHTERS | 9  | 9,921         | 4.1  | 410  |      |            |        |           |        |     |
| LISTED, 11-63                              | 9  | WITH HERD-MATES  | 9  | 9,921         | 4.1  | 410  |      | 10         | 12,867 | 504       |        |     |
| STATES- 23                                 |    |                  |    |               |      |      |      | DIFF.      | 2946-  | 94-       |        |     |
| 1368763 .....                              |    |                  |    |               |      |      |      |            |        |           |        |     |
| AI STUD, 21-01                             | 8  | AI DAUGHTERS-08  | 8  | 11,529        | 3.5  | 404  |      |            |        |           |        |     |
| STATES- 21                                 | 8  | WITH HERD-MATES  | 8  | 11,529        | 3.5  | 404  |      | 8          | 12,833 | 480       | 11,964 | 425 |
|  |    |                  |    |               |      |      |      | DIFF.      | 1304-  | 76-       |        |     |
|  | 1  | NDN-AI DAUGHTERS | 1  | 16,000        | 3.2  | 507  |      |            |        |           |        |     |
|  | 1  | WITH HERD-MATES  | 1  | 16,000        | 3.2  | 507  |      | 7          | 13,759 | 513       |        |     |
|  |    |                  |    |               |      |      |      | DIFF.      | 2241   | 6-        |        |     |
| 1368957 .....                              |    |                  |    |               |      |      |      |            |        |           |        |     |
| STATES- 35                                 | 5  | NDN-AI DAUGHTERS | 5  | 13,190        | 3.6  | 480  |      |            |        |           |        |     |
|  | 4  | WITH HERD-MATES  | 4  | 12,905        | 3.7  | 477  |      | 3          | 12,943 | 497       |        |     |
|  |    |                  |    |               |      |      |      | DIFF.      | 38-    | 20-       |        |     |
| 1369029 .....                              |    |                  |    |               |      |      |      |            |        |           |        |     |
| AI STUD, 52-01                             | 5  | AI DAUGHTERS-05  | 5  | 13,808        | 3.8  | 531  |      |            |        |           |        |     |
| STATES- 52                                 | 3  | WITH HERD-MATES  | 3  | 13,583        | 3.9  | 523  |      | 8          | 13,326 | 489       | 12,539 | 462 |
|  |    |                  |    |               |      |      |      | DIFF.      | 257    | 34        |        |     |
| 1369364 JDHANNA NDRA MAGNATE PAT.....      |    |                  |    |               |      |      |      |            |        |           |        |     |
| 10-27-57 1018315 3267449                   | 12 | NDN-AI DAUGHTERS | 14 | 12,160        | 3.6  | 434  |      |            |        |           |        |     |
| LISTED, 03-64                              | 12 | WITH HERD-MATES  | 14 | 12,160        | 3.6  | 434  |      | 33         | 13,531 | 488       |        |     |
| STATES- 48                                 |    |                  |    |               |      |      |      | DIFF.      | 1371-  | 54-       |        |     |
| 1369371 RDMANDEALE REFLECTION REGAL.....   |    |                  |    |               |      |      |      |            |        |           |        |     |
| 02-22-58 010198998 010986215               | 8  | NDN-AI DAUGHTERS | 9  | 13,835        | 3.8  | 522  |      |            |        |           |        |     |
| LISTED, 03-64                              | 8  | WITH HERD-MATES  | 9  | 13,835        | 3.8  | 522  |      | 25         | 14,634 | 529       |        |     |
| STATES- 21                                 |    |                  |    |               |      |      |      | DIFF.      | 799-   | 7-        |        |     |
| 1369958 .....                              |    |                  |    |               |      |      |      |            |        |           |        |     |
| AI STUD, 16-04                             | 1  | AI DAUGHTERS-01  |    |               |      |      |      |            |        |           |        |     |
| STATES- 13,14,16                           | 1  | WITH HERD-MATES  |    |               |      |      |      |            |        |           |        |     |
|  | 5  | NDN-AI DAUGHTERS | 7  | 10,669        | 3.9  | 418  |      |            |        |           |        |     |
|  | 5  | WITH HERD-MATES  | 7  | 10,669        | 3.9  | 418  |      | 11         | 12,129 | 443       |        |     |
|  |    |                  |    |               |      |      |      | DIFF.      | 1460-  | 25-       |        |     |
| 1370373 .....                              |    |                  |    |               |      |      |      |            |        |           |        |     |
| STATES- 23                                 | 5  | NDN-AI DAUGHTERS | 5  | 10,228        | 3.9  | 401  |      |            |        |           |        |     |
|  | 5  | WITH HERD-MATES  | 5  | 10,228        | 3.9  | 401  |      | 16         | 10,708 | 392       |        |     |
|  |    |                  |    |               |      |      |      | DIFF.      | 480-   | 9         |        |     |
| 1371105 .....                              |    |                  |    |               |      |      |      |            |        |           |        |     |
| STATES- 42                                 | 5  | NDN-AI DAUGHTERS | 5  | 11,728        | 3.7  | 438  |      |            |        |           |        |     |
|  | 5  | WITH HERD-MATES  | 5  | 11,728        | 3.7  | 438  |      | 43         | 13,220 | 492       |        |     |
|  |    |                  |    |               |      |      |      | DIFF.      | 1492-  | 54-       |        |     |
| 1371186 .....                              |    |                  |    |               |      |      |      |            |        |           |        |     |
| STATES- 35                                 | 6  | NDN-AI DAUGHTERS | 7  | 11,101        | 3.5  | 384  |      |            |        |           |        |     |
|  | 6  | WITH HERD-MATES  | 7  | 11,101        | 3.5  | 384  |      | 20         | 10,197 | 349       |        |     |
|  |    |                  |    |               |      |      |      | DIFF.      | 904    | 35        |        |     |





| SIRE OF CHIA DAUGHTERS                    |     |                     |     |        | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |                   |           | PREDICTED AV. |           |
|---|-----|---------------------|-----|--------|------------------------|------------|-----------|-----------|---------------------|-------------------|-----------|---------------|-----------|
| HDLSTEIN                                  |     |                     |     |        | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>L8 | NUMBER              | AV.<br>MILK<br>LB | FAT<br>L8 | MILK<br>LB    | FAT<br>L8 |
| 1382548 .....                             |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| STATES- 48                                |     | 7 NDN-AI DAUGHTERS  | 7   | 10,663 | 3.9                    | 411        |           |           | 12                  | 11,882            | 437       |               |           |
|   |     | WITH HERD-MATES     | 7   | 10,663 | 3.9                    | 411        |           |           | DIFF.               | 1219-             | 26-       |               |           |
| 1382768 SHEFFIELD SUPREME MAX - TWIN..... |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| ID-D6-55 DID249633 O11085334              | 14  | NON-AI DAUGHTERS    | 14  | 12,747 | 3.6                    | 453        |           |           |                     |                   |           |               |           |
| LISHED, D3-64                             | 13  | WITH HERD-MATES     | 13  | 12,675 | 3.6                    | 450        |           |           | 25                  | 14,375            | 525       |               |           |
| STATES- 21,32,35,41,84,93                 |     |                     |     |        |                        |            |           |           | DIFF.               | 1700-             | 75-       |               |           |
| 1383551 RDWSDALE REFLECTION RDYAL.....    |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| O8-24-59 I305460 O10918915                | 10  | AI DAUGHTERS-ID     | 10  | 12,402 | 3.5                    | 439        |           |           |                     |                   |           |               |           |
| AI STUD, 35-D3 LISTED, D5-64              | 10  | WITH HERD-MATES     | 10  | 12,402 | 3.5                    | 439        |           |           | 6                   | 13,961            | 506       | 11,836        | 427       |
| STATES- 35                                |     |                     |     |        |                        |            |           |           | DIFF.               | 1559-             | 67-       |               |           |
| 1383580 .....                             |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| STATES- 23,35,45                          |     | 5 NDN-AI DAUGHTERS  | 5   | 15,084 | 3.8                    | 566        |           |           | 15                  | 14,239            | 538       |               |           |
|   |     | WITH HERD-MATES     | 5   | 15,084 | 3.8                    | 566        |           |           | DIFF.               | 845               | 28        |               |           |
| 1384740 .....                             |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| STATES- 48                                |     | 6 NDN-AI DAUGHTERS  | 8   | 12,D78 | 3.9                    | 475        |           |           | 22                  | 12,895            | 482       |               |           |
|   |     | WITH HERD-MATES     | 8   | 12,D78 | 3.9                    | 475        |           |           | DIFF.               | 817-              | 7-        |               |           |
| 1386617 .....                             |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| STATES- 42                                |     | 13 NDN-AI DAUGHTERS | 13  | 12,822 | 3.3                    | 420        |           |           | 25                  | 11,342            | 364       |               |           |
|   |     | WITH HERD-MATES     | 13  | 12,822 | 3.3                    | 420        |           |           | DIFF.               | 1480              | 56        |               |           |
| 1388175 .....                             |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| STATES- 12                                |     | 5 NDN-AI DAUGHTERS  | 5   | 12,346 | 3.4                    | 420        |           |           | 27                  | 11,949            | 453       |               |           |
|   |     | WITH HERD-MATES     | 5   | 12,346 | 3.4                    | 420        |           |           | DIFF.               | 397               | 33-       |               |           |
| 1388932 .....                             |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| STATES- 91                                |     | 5 NDN-AI DAUGHTERS  | 5   | 13,458 | 3.5                    | 465        |           |           | 32                  | 15,664            | 555       |               |           |
|   |     | WITH HERD-MATES     | 5   | 13,458 | 3.5                    | 465        |           |           | DIFF.               | 2206-             | 90-       |               |           |
| 1394692 .....                             |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| STATES- 35                                |     | 7 NDN-AI DAUGHTERS  | 7   | 13,296 | 3.4                    | 453        |           |           | 22                  | 12,589            | 464       |               |           |
|   |     | WITH HERD-MATES     | 7   | 13,296 | 3.4                    | 453        |           |           | DIFF.               | 707               | 11-       |               |           |
| 1395653 .....                             |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| STATES- 42                                |     | 5 NDN-AI DAUGHTERS  | 5   | 11,206 | 3.9                    | 441        |           |           | 5                   | 10,413            | 386       |               |           |
|   |     | WITH HERD-MATES     | 5   | 11,206 | 3.9                    | 441        |           |           | DIFF.               | 793               | 55        |               |           |
| O10181065 .....                           |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| STATES- 13,16,21,22,23,52                 |     | 29 NDN-AI DAUGHTERS | 66  | 13,181 | 3.4                    | 449        |           |           | 12                  | 12,851            | 476       |               |           |
|   |     | WITH HERD-MATES     | 59  | 13,521 | 3.4                    | 461        |           |           | DIFF.               | 670               | 15-       |               |           |
| DID186376 ELMCRDFT SCEPTER.....           |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| O3-16-45 OID122443 O10548426              | 15  | NDN-AI DAUGHTERS    | 28  | 12,241 | 3.7                    | 452        |           |           |                     |                   |           |               |           |
| STATES- 21,22,23,34,51,55                 | 9   | WITH HERD-MATES     | 19  | 12,935 | 3.6                    | 468        |           |           | 16                  | 12,314            | 450       |               |           |
|   |     |                     |     |        |                        |            |           |           | DIFF.               | 621               | 18        |               |           |
| O1D194457 .....                           |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| STATES- 21                                |     | 5 NDN-AI DAUGHTERS  | 12  | 11,257 | 3.4                    | 380        |           |           | 19                  | 12,003            | 407       |               |           |
|   |     | WITH HERD-MATES     | 2   | 11,250 | 3.3                    | 369        |           |           | DIFF.               | 753-              | 38-       |               |           |
| O1D198507 .....                           |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| STATES- 14,16,21,22,23,31,32,             | 254 | NDN-AI DAUGHTERS    | 567 | 11,827 | 3.6                    | 427        |           |           | 37                  | 12,329            | 443       |               |           |
| 33,34,35,43,51,52,54,55,56,57,            | 225 | WITH HERD-MATES     | 490 | 11,979 | 3.6                    | 432        |           |           | DIFF.               | 350-              | 11-       |               |           |
| 58,61,63,64,71,73,74,86                   |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| D1D2D0452 .....                           |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| STATES- 14,21                             |     | 5 NDN-AI DAUGHTERS  | 12  | 14,370 | 3.8                    | 551        |           |           | 9                   | 12,999            | 473       |               |           |
|   |     | WITH HERD-MATES     | 10  | 14,290 | 3.9                    | 551        |           |           | DIFF.               | 1291              | 78        |               |           |
| D102D5583 GLENAFTDN BENEFACTOR.....       |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| ID-16-47 O10191881 D10576073              | 195 | NDN-AI DAUGHTERS    | 349 | 11,DD3 | 3.7                    | 406        |           |           |                     |                   |           |               |           |
| LISHED, D8-62                             | 185 | WITH HERD-MATES     | 336 | 11,D35 | 3.7                    | 407        |           |           | 46                  | 12,240            | 442       |               |           |
| STATES- 12,13,16,21,22,23,31,             |     |                     |     |        |                        |            |           |           | DIFF.               | 1205-             | 35-       |               |           |
| 32,34,51,52,54,55,56,57,58,61,            |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| 74,86                                     |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| D1D213746 .....                           |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| STATES- 11                                |     | 5 NDN-AI DAUGHTERS  | 8   | 10,189 | 3.3                    | 340        |           |           | 5                   | 11,D29            | 399       |               |           |
|   |     | WITH HERD-MATES     | 8   | 10,189 | 3.3                    | 340        |           |           | DIFF.               | 840-              | 59-       |               |           |
| D10214704 Q. T. P. SOUVENIR DANDY.....    |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| ID-D6-48 O10197105 O10646696              | 102 | NDN-AI DAUGHTERS    | 198 | 12,839 | 3.6                    | 459        |           |           |                     |                   |           |               |           |
| LISHED, D1-63                             | 99  | WITH HERD-MATES     | 190 | 12,926 | 3.6                    | 461        |           |           | 62                  | 12,563            | 454       |               |           |
| STATES- 14,16,21,22,23,31,32,             |     |                     |     |        |                        |            |           |           | DIFF.               | 363               | 7         |               |           |
| 33,34,42,48,51,52,55,58,61,63,            |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| 65,73,74                                  |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| D1D216947 PABST ROBURKE LAD.....          |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| O7-27-45 859213 2373573                   | 99  | NDN-AI DAUGHTERS    | 175 | 12,107 | 3.6                    | 438        |           |           |                     |                   |           |               |           |
| LISHED, D8-62                             | 89  | WITH HERD-MATES     | 161 | 12,177 | 3.6                    | 440        |           |           | 37                  | 12,663            | 456       |               |           |
| STATES- 14,21,22,23,31,34,43,             |     |                     |     |        |                        |            |           |           | DIFF.               | 486-              | 16-       |               |           |
| 47,48,52,54,56,63,64,71,73,74             |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| O1D219704 FORTHLYNE SDVEREIGN TARZAN..... |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |
| O7-17-49 O1D192642 D1D424952              | 14  | NDN-AI DAUGHTERS    | 34  | 12,360 | 3.6                    | 447        |           |           |                     |                   |           |               |           |
| LISHED, D8-62                             | 14  | WITH HERD-MATES     | 32  | 12,320 | 3.6                    | 445        |           |           | 27                  | 12,769            | 464       |               |           |
| STATES- 21,31,51,52,54,55,56,             |     |                     |     |        |                        |            |           |           | DIFF.               | 449-              | 19-       |               |           |
| 57  |     |                     |     |        |                        |            |           |           |                     |                   |           |               |           |

### SIRES OF OHIA DAUGHTERS

|  |  |  |  | AV. PRODUCTION OF |        |      |     | ADJ. HERO-MATES |        | AV. PREDICTED |      |     |
|--|--|--|--|-------------------|--------|------|-----|-----------------|--------|---------------|------|-----|
| HOLSTEIN   |  |  |  | RECORDS           | MILK   | TEST | FAT | AV.             | MILK   | FAT           | MILK | FAT |
|  |  |  |  | NUMBER            | L8     | %    | L8  | NUMBER          | L8     | L8            | L8   | L8  |
| 010220076 GARRY NEW RAG APPLE MARK-TWIN.....                                   |  |  |  |                   |        |      |     |                 |        |               |      |     |
| 10-30-48 010198410 010565746 8 NON-AI DAUGHTERS                                |  |  |  | 17                | 12,451 | 3.2  | 395 |                 |        |               |      |     |
| STATES- 21,23,51,52 8 WITH HERD-MATES  |  |  |  | 16                | 12,367 | 3.2  | 393 | 7               | 11,030 | 397           |      |     |
|  |  |  |  |                   |        |      |     | OIFF.           | 1337   | 4-            |      |     |
| 010220718 .....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
|  |  |  |  | 6                 | 12,855 | 3.5  | 453 |                 |        |               |      |     |
| STATES- 21,31,51,54 5 NON-AI DAUGHTERS   |  |  |  | 6                 | 12,855 | 3.5  | 453 | 20              | 11,971 | 442           |      |     |
|  |  |  |  |                   |        |      |     | OIFF.           | 884    | 11            |      |     |
| 010221549 MILTON RAG APPLE DEKOL.....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
| 10-22-49 010199872 010717900 15 NON-AI DAUGHTERS                               |  |  |  | 38                | 13,458 | 3.4  | 455 |                 |        |               |      |     |
| STATES- 16,21,22,52,91 10 WITH HERD-MATES                                      |  |  |  | 27                | 13,894 | 3.4  | 479 | 13              | 13,332 | 474           |      |     |
|  |  |  |  |                   |        |      |     | OIFF.           | 562    | 5             |      |     |
| 010224500 .....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
|  |  |  |  | 11                | 11,716 | 3.5  | 407 |                 |        |               |      |     |
| STATES- 16,21,23 8 WITH HERD-MATES   |  |  |  | 22                | 11,716 | 3.5  | 407 | 10              | 12,896 | 467           |      |     |
|  |  |  |  |                   |        |      |     | OIFF.           | 702-   | 48-           |      |     |
| 010227079 WAYNE RAG APPLE SOVEREIGN A.....                                     |  |  |  |                   |        |      |     |                 |        |               |      |     |
| 05-20-50 010175095 010729227 261 NON-AI DAUGHTERS                              |  |  |  | 440               | 12,435 | 3.5  | 437 |                 |        |               |      |     |
| LISTED, 01-63 258 WITH HERD-MATES  |  |  |  | 436               | 12,431 | 3.5  | 437 | 84              | 12,381 | 444           |      |     |
| STATES- 12,13,14,16,21,22,23, 31,33,34,42,43,50,51,52,54,55, 56,57,58,63,64,73 |  |  |  |                   |        |      |     | OIFF.           | 50     | 7-            |      |     |
| 010227642 .....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
|  |  |  |  | 7                 | 11,663 | 3.5  | 403 |                 |        |               |      |     |
| LISTED, 05-64 5 WITH HERD-MATES  |  |  |  | 7                 | 11,663 | 3.5  | 403 | 11              | 12,295 | 459           |      |     |
| STATES- 21,31,34   |  |  |  |                   |        |      |     | OIFF.           | 632-   | 56-           |      |     |
| 010229665 ROCKWOOD VEGATOI ROCKET.....   |  |  |  |                   |        |      |     |                 |        |               |      |     |
| 10-18-50 010180114 010482447 13 NON-AI DAUGHTERS                               |  |  |  | 21                | 11,127 | 3.7  | 409 |                 |        |               |      |     |
| LISTED, 08-62 12 WITH HERD-MATES   |  |  |  | 19                | 11,139 | 3.6  | 405 | 34              | 11,835 | 423           |      |     |
| STATES- 14,16,21,22,23,34,58   |  |  |  |                   |        |      |     | OIFF.           | 696-   | 18-           |      |     |
| 010233528 OENFIELD INKA SUPREME SOVEREIGN.....                                 |  |  |  |                   |        |      |     |                 |        |               |      |     |
| 03-18-51 010121004 010768454 60 NON-AI DAUGHTERS                               |  |  |  | 76                | 13,994 | 3.6  | 509 |                 |        |               |      |     |
| LISTED, 03-64 59 WITH HERD-MATES   |  |  |  | 75                | 14,064 | 3.6  | 511 | 87              | 13,216 | 481           |      |     |
| STATES- 12,16,21,23,31,32,34, 42,43,52,58,61,63                                |  |  |  |                   |        |      |     | OIFF.           | 848    | 30            |      |     |
| 010234691 .....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
|  |  |  |  | 11                | 13,829 | 3.4  | 477 |                 |        |               |      |     |
| LISTED, 05-64 4 WITH HERD-MATES  |  |  |  | 10                | 13,858 | 3.4  | 473 | 13              | 12,753 | 451           |      |     |
| STATES- 16,21  |  |  |  |                   |        |      |     | OIFF.           | 1105   | 22            |      |     |
| 010236415 .....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
|  |  |  |  | 10                | 14,700 | 3.4  | 499 |                 |        |               |      |     |
| STATES- 21,23,31,55 5 WITH HERD-MATES  |  |  |  | 10                | 14,700 | 3.4  | 499 | 15              | 12,528 | 454           |      |     |
|  |  |  |  |                   |        |      |     | OIFF.           | 2172   | 45            |      |     |
| 010236992 .....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
|  |  |  |  | 10                | 11,847 | 3.5  | 418 |                 |        |               |      |     |
| STATES- 23,51 5 WITH HERD-MATES  |  |  |  | 10                | 11,847 | 3.5  | 418 | 20              | 14,187 | 501           |      |     |
|  |  |  |  |                   |        |      |     | OIFF.           | 2340-  | 83-           |      |     |
| 010237445 PA8ST WALKER OLLIE.....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
| 12-25-50 981360 2753387 34 NON-AI DAUGHTERS                                    |  |  |  | 56                | 13,383 | 3.9  | 516 |                 |        |               |      |     |
| LISTED, 01-63 34 WITH HERD-MATES   |  |  |  | 56                | 13,383 | 3.9  | 516 | 34              | 13,358 | 486           |      |     |
| STATES- 12,14,21,22,23,34,51, 58   |  |  |  |                   |        |      |     | OIFF.           | 25     | 30            |      |     |
| 010239512 .....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
|  |  |  |  | 16                | 12,705 | 3.5  | 441 |                 |        |               |      |     |
| STATES- 21,23,31,34,51,56 16 WITH HERD-MATES                                   |  |  |  | 30                | 12,705 | 3.5  | 441 | 16              | 12,543 | 455           |      |     |
|  |  |  |  |                   |        |      |     | OIFF.           | 162    | 14-           |      |     |
| 010239643 .....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
|  |  |  |  | 5                 | 9,390  | 3.6  | 337 |                 |        |               |      |     |
| LISTED, 05-64 5 WITH HERD-MATES  |  |  |  | 5                 | 9,390  | 3.6  | 337 | 39              | 11,085 | 397           |      |     |
| STATES- 22,58  |  |  |  |                   |        |      |     | OIFF.           | 1695-  | 60-           |      |     |
| 010239770 .....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
|  |  |  |  | 8                 | 12,327 | 3.8  | 472 |                 |        |               |      |     |
| LISTED, 05-64 5 WITH HERD-MATES  |  |  |  | 8                 | 12,327 | 3.8  | 472 | 7               | 12,784 | 451           |      |     |
| STATES- 21,58,64   |  |  |  |                   |        |      |     | OIFF.           | 457-   | 21            |      |     |
| 010241463 .....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
|  |  |  |  | 8                 | 14,848 | 3.5  | 526 |                 |        |               |      |     |
| LISTED, 05-64 5 WITH HERD-MATES  |  |  |  | 8                 | 14,848 | 3.5  | 526 | 39              | 13,748 | 512           |      |     |
| STATES- 16   |  |  |  |                   |        |      |     | OIFF.           | 1100   | 14            |      |     |
| 010242131 FOREST LEE HOPE KING.....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
| 12-26-51 010226033 010865968 8 NON-AI DAUGHTERS                                |  |  |  | 10                | 11,626 | 3.8  | 436 |                 |        |               |      |     |
| LISTED, 08-63 7 WITH HERD-MATES  |  |  |  | 9                 | 11,907 | 3.7  | 442 | 16              | 13,209 | 489           |      |     |
| STATES- 21,22,34,52,57   |  |  |  |                   |        |      |     | OIFF.           | 1302-  | 47-           |      |     |
| 010242238 .....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
|  |  |  |  | 5                 | 10,902 | 3.5  | 387 |                 |        |               |      |     |
| STATES- 21,31,34,43 4 WITH HERD-MATES  |  |  |  | 7                 | 10,902 | 3.5  | 387 | 12              | 12,769 | 471           |      |     |
|  |  |  |  |                   |        |      |     | OIFF.           | 1544-  | 65-           |      |     |
| 010242966 .....  |  |  |  |                   |        |      |     |                 |        |               |      |     |
|  |  |  |  | 8                 | 12,521 | 3.4  | 422 |                 |        |               |      |     |
| LISTED, 05-64 5 WITH HERD-MATES  |  |  |  | 8                 | 12,521 | 3.4  | 422 | 25              | 12,533 | 433           |      |     |
| STATES- 21,55,58,86  |  |  |  |                   |        |      |     | OIFF.           | 12-    | 11-           |      |     |
| 010243433 CEDAR OALE PA8ST WALKER JOE.....                                     |  |  |  |                   |        |      |     |                 |        |               |      |     |
| 01-06-53 010237445 010517193 9 NON-AI DAUGHTERS                                |  |  |  | 15                | 14,393 | 3.9  | 556 |                 |        |               |      |     |
| LISTED, 08-63 9 WITH HERD-MATES  |  |  |  | 15                | 14,393 | 3.9  | 556 | 13              | 12,754 | 464           |      |     |
| STATES- 23,50,55   |  |  |  |                   |        |      |     | OIFF.           | 1639   | 92            |      |     |



## SIRE OF DHIA DAUGHTERS

| HOLSTEIN                                      | AV. RECORDS | PRODUCTION MILK L8 | DF TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED AV. MILK L8 | FAT L8 |
|---|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 010243776 .....                               | 5           | NON-AI DAUGHTERS   | 6         | 12,841      | 3.3             | 418                |            |                       |        |
| LISTED, 05-64                                 | 5           | WITH HERD-MATES    | 6         | 12,841      | 3.3             | 418                | 17         | 11,895                | 423    |
| STATES- 21,23,34,43,58                        |             |                    |           |             |                 |                    | DIFF.      | 946                   | 5-     |
| 010244211 HICKORY CREEK CUPID.....            | 27          | NON-AI DAUGHTERS   | 47        | 12,420      | 3.6             | 453                |            |                       |        |
| 02-09-53 1111083 2733806                      | 27          | WITH HERD-MATES    | 47        | 12,420      | 3.6             | 453                | 22         | 12,501                | 451    |
| LISTED, 01-63                                 |             |                    |           |             |                 |                    | DIFF.      | 81-                   | 2      |
| STATES- 21,22,31,34,55,74                     |             |                    |           |             |                 |                    |            |                       |        |
| 010244255 .....                               | 5           | NON-AI DAUGHTERS   | 7         | 12,012      | 3.6             | 432                |            |                       |        |
| LISTED, 05-64                                 | 5           | WITH HERD-MATES    | 7         | 12,012      | 3.6             | 432                | 25         | 13,904                | 500    |
| STATES- 16                                    |             |                    |           |             |                 |                    | DIFF.      | 1892-                 | 68-    |
| 010244476 .....                               | 5           | NON-AI DAUGHTERS   | 7         | 8,447       | 3.4             | 289                |            |                       |        |
| STATES- 21,22,31                              | 5           | WITH HERD-MATES    | 7         | 8,447       | 3.4             | 289                | 23         | 9,829                 | 348    |
|   |             |                    |           |             |                 |                    | DIFF.      | 1382-                 | 59-    |
| 010244626 ROSAFE PREFECT.....                 | 14          | NON-AI DAUGHTERS   | 17        | 10,926      | 3.4             | 373                |            |                       |        |
| 04-14-53 010121004 010724610                  | 12          | WITH HERD-MATES    | 15        | 11,461      | 3.4             | 389                | 16         | 12,157                | 439    |
| LISTED, 08-63                                 |             |                    |           |             |                 |                    | DIFF.      | 696-                  | 50-    |
| STATES- 16,21,23,31,34,58                     |             |                    |           |             |                 |                    |            |                       |        |
| 010244671 HILLYNN SOVEREIGN JOHANNA-TWIN..... | 12          | NON-AI DAUGHTERS   | 31        | 13,059      | 3.9             | 503                |            |                       |        |
| 03-24-53 010233629 010858270                  | 12          | WITH HERD-MATES    | 31        | 13,059      | 3.9             | 503                | 15         | 12,531                | 468    |
| STATES- 16,21,23,51                           |             |                    |           |             |                 |                    | DIFF.      | 528                   | 35     |
| 010245364 .....                               | 5           | NON-AI DAUGHTERS   | 9         | 12,870      | 3.2             | 418                |            |                       |        |
| STATES- 21,23                                 | 5           | WITH HERD-MATES    | 9         | 12,870      | 3.2             | 418                | 29         | 12,926                | 448    |
|   |             |                    |           |             |                 |                    | DIFF.      | 56-                   | 30-    |
| 010245393 .....                               | 5           | NON-AI DAUGHTERS   | 7         | 11,404      | 3.6             | 416                |            |                       |        |
| STATES- 21,23                                 | 5           | WITH HERD-MATES    | 7         | 11,404      | 3.6             | 416                | 21         | 13,248                | 482    |
|   |             |                    |           |             |                 |                    | DIFF.      | 1844-                 | 66-    |
| 010245900 .....                               | 5           | NON-AI DAUGHTERS   | 7         | 13,034      | 3.7             | 484                |            |                       |        |
| LISTED, 05-64                                 | 5           | WITH HERD-MATES    | 7         | 13,034      | 3.7             | 484                | 11         | 11,919                | 444    |
| STATES- 31,34,47,63                           |             |                    |           |             |                 |                    | DIFF.      | 1115                  | 40     |
| 010246178 .....                               | 5           | NON-AI DAUGHTERS   | 6         | 15,085      | 3.2             | 487                |            |                       |        |
| STATES- 21,23,47                              | 5           | WITH HERD-MATES    | 6         | 15,085      | 3.2             | 487                | 16         | 13,976                | 511    |
|   |             |                    |           |             |                 |                    | DIFF.      | 1109                  | 24-    |
| 010246314 .....                               | 5           | NON-AI DAUGHTERS   | 12        | 11,661      | 3.4             | 393                |            |                       |        |
| STATES- 22,31,51,54                           | 5           | WITH HERD-MATES    | 11        | 11,488      | 3.4             | 385                | 12         | 11,472                | 399    |
|   |             |                    |           |             |                 |                    | DIFF.      | 16                    | 14-    |
| 010246506 ROSAFE VIKING.....                  | 13          | NON-AI DAUGHTERS   | 22        | 13,173      | 3.6             | 480                |            |                       |        |
| 11-07-53 010121004 010876626                  | 13          | WITH HERD-MATES    | 22        | 13,173      | 3.6             | 480                | 44         | 12,563                | 456    |
| STATES- 14,16,21,34,41,51,57,58,63            |             |                    |           |             |                 |                    | DIFF.      | 610                   | 24     |
| 010246849 .....                               | 5           | NON-AI DAUGHTERS   | 7         | 13,095      | 3.3             | 428                |            |                       |        |
| STATES- 14,31,34,51                           | 5           | WITH HERD-MATES    | 7         | 13,095      | 3.3             | 428                | 31         | 13,040                | 467    |
|   |             |                    |           |             |                 |                    | DIFF.      | 55                    | 39-    |
| 010246969 .....                               | 5           | NON-AI DAUGHTERS   | 11        | 10,952      | 3.4             | 377                |            |                       |        |
| LISTED, 05-64                                 | 4           | WITH HERD-MATES    | 10        | 11,773      | 3.5             | 412                | 18         | 12,666                | 457    |
| STATES- 21,31,52                              |             |                    |           |             |                 |                    | DIFF.      | 893-                  | 45-    |
| 010247102 SHORE MONOGRAM RAG APPLE.....       | 8           | NON-AI DAUGHTERS   | 14        | 11,655      | 3.7             | 430                |            |                       |        |
| 02-07-54 010228838 010716912                  | 8           | WITH HERD-MATES    | 14        | 11,655      | 3.7             | 430                | 25         | 13,186                | 475    |
| LISTED, 08-63                                 |             |                    |           |             |                 |                    | DIFF.      | 1531-                 | 45-    |
| STATES- 13,14,21,31,34,51                     |             |                    |           |             |                 |                    |            |                       |        |
| 010247113 NELCREST LUCKY STRIKE.....          | 9           | NON-AI DAUGHTERS   | 14        | 11,474      | 3.7             | 430                |            |                       |        |
| 07-05-53 010197964 010831899                  | 8           | WITH HERD-MATES    | 13        | 12,013      | 3.8             | 452                | 17         | 12,508                | 464    |
| LISTED, 08-63                                 |             |                    |           |             |                 |                    | DIFF.      | 495-                  | 12-    |
| STATES- 13,14,21,22                           |             |                    |           |             |                 |                    |            |                       |        |
| 010248234 .....                               | 5           | NON-AI DAUGHTERS   | 10        | 12,268      | 3.5             | 427                |            |                       |        |
| STATES- 31,58,65                              | 5           | WITH HERD-MATES    | 10        | 12,268      | 3.5             | 427                | 35         | 10,563                | 376    |
|   |             |                    |           |             |                 |                    | DIFF.      | 1705                  | 51     |
| 010248762 ROSAFE DOMINO - TWIN .....          | 27          | NON-AI DAUGHTERS   | 47        | 12,708      | 3.5             | 449                |            |                       |        |
| 02-18-54 010198998 010533824                  | 26          | WITH HERD-MATES    | 46        | 12,954      | 3.5             | 457                | 18         | 13,440                | 493    |
| LISTED, 08-63                                 |             |                    |           |             |                 |                    | DIFF.      | 486-                  | 36-    |
| STATES- 16,21,22,23,31,33,34,50,52,58         |             |                    |           |             |                 |                    |            |                       |        |
| 010250188 .....                               | 5           | NON-AI DAUGHTERS   | 6         | 12,530      | 3.6             | 455                |            |                       |        |
| STATES- 14,21,23,34                           | 5           | WITH HERD-MATES    | 6         | 12,530      | 3.6             | 455                | 51         | 13,171                | 488    |
|   |             |                    |           |             |                 |                    | DIFF.      | 641-                  | 33-    |
| 010250832 .....                               | 5           | NON-AI DAUGHTERS   | 7         | 13,053      | 3.6             | 467                |            |                       |        |
| STATES- 16,21,51                              | 5           | WITH HERD-MATES    | 7         | 13,053      | 3.6             | 467                | 43         | 12,349                | 443    |
|   |             |                    |           |             |                 |                    | DIFF.      | 704                   | 24     |
| 010251504 .....                               | 5           | NON-AI DAUGHTERS   | 10        | 9,211       | 3.7             | 342                |            |                       |        |
| STATES- 21,22,31,34                           | 5           | WITH HERD-MATES    | 10        | 9,211       | 3.7             | 342                | 217        | 11,740                | 418    |
|   |             |                    |           |             |                 |                    | DIFF.      | 2529-                 | 76-    |

## SIREN OF OHIA DAUGHTERS

| HOLSTEIN   |                     |                   | AV. PRODUCTION OF DAU. | AV. HERD-MATES | AV. PREDICTED |
|--|---------------------|-------------------|------------------------|----------------|---------------|
|  |                     |                   | RECDROS MILK TEST FAT  | AV. MILK FAT   | MILK FAT      |
|  |                     |                   | NUMBER L8 % L8         | NUMBER L8 L8   | L8 L8         |
| 010252157 .....                                    | 5 NDN-AI DAUGHTERS  | 8 14,736 3.0 447  |                        |                |               |
| STATES- 23,31,51,52                                | 5 WITH HERD-MATES   | 8 14,736 3.0 447  | 29                     | 12,480         | 485           |
|  |                     |                   | DIFF.                  | 2256           | 38-           |
| 010253658 .....                                    | 5 NDN-AI DAUGHTERS  | 6 15,621 3.6 567  |                        |                |               |
| STATES- 16,23                                      | 5 WITH HERD-MATES   | 6 15,621 3.6 567  | 7                      | 14,919         | 533           |
|  |                     |                   | DIFF.                  | 702            | 34            |
| 010254213 .....                                    | 5 NDN-AI DAUGHTERS  | 6 11,409 3.7 418  |                        |                |               |
| STATES- 21,31,34                                   | 5 WITH HERD-MATES   | 6 11,409 3.7 418  | 292                    | 10,466         | 376           |
|  |                     |                   | DIFF.                  | 943            | 42            |
| 010254274 .....                                    | 5 NDN-AI DAUGHTERS  | 7 14,639 3.4 499  |                        |                |               |
| STATES- 23,31                                      | 5 WITH HERD-MATES   | 6 14,520 3.4 498  | 12                     | 13,783         | 509           |
|  |                     |                   | DIFF.                  | 737            | 11-           |
| 010254760 .....                                    | 5 NDN-AI DAUGHTERS  | 6 14,655 4.2 613  |                        |                |               |
| STATES- 16,23,32,33,34                             | 5 WITH HERD-MATES   | 6 14,655 4.2 613  | 22                     | 13,941         | 518           |
|  |                     |                   | DIFF.                  | 714            | 95            |
| 010254964 .....                                    | 5 NDN-AI DAUGHTERS  | 6 11,152 4.1 452  |                        |                |               |
| STATES- 21,22,86                                   | 5 WITH HERD-MATES   | 6 11,152 4.1 452  | 19                     | 13,013         | 469           |
|  |                     |                   | DIFF.                  | 1861-          | 17-           |
| 010255175 .....                                    | 5 NDN-AI DAUGHTERS  | 8 13,889 3.5 486  |                        |                |               |
| STATES- 13,21,23                                   | 5 WITH HERD-MATES   | 8 13,889 3.5 486  | 8                      | 12,421         | 436           |
|  |                     |                   | DIFF.                  | 1468           | 50            |
| 010255838 .....                                    | 8 NDN-AI DAUGHTERS  | 10 10,951 3.6 394 |                        |                |               |
| LISTED, 11-63                                      | 8 WITH HERD-MATES   | 10 10,951 3.6 394 | 23                     | 12,850         | 478           |
| STATES- 16,21,23                                   |                     |                   | DIFF.                  | 1899-          | 84-           |
| 010256034 ROMANDALE HIGHCRAFT CAVALIER.....        |                     |                   |                        |                |               |
| 10-04-55 010160321 010757486                       | 43 NDN-AI DAUGHTERS | 79 12,019 3.5 419 |                        |                |               |
| LISTED, 01-63                                      | 43 WITH HERD-MATES  | 79 12,019 3.5 419 | 72                     | 12,483         | 448           |
| STATES- 13,14,21,22,23,31,34, 47,51,52,63,64,73,74 |                     |                   | DIFF.                  | 464-           | 29-           |
| 010256143 .....                                    | 5 NDN-AI DAUGHTERS  | 8 10,904 4.3 468  |                        |                |               |
| STATES- 21,23                                      | 4 WITH HERD-MATES   | 7 12,385 4.2 519  | 13                     | 14,007         | 508           |
|  |                     |                   | DIFF.                  | 1622-          | 11            |
| 010256318 .....                                    | 5 NDN-AI DAUGHTERS  | 6 9,575 3.3 314   |                        |                |               |
| STATES- 21,34,73                                   | 5 WITH HERD-MATES   | 6 9,575 3.3 314   | 233                    | 11,167         | 395           |
|  |                     |                   | DIFF.                  | 1592-          | 81-           |
| 010256643 .....                                    | 5 NDN-AI DAUGHTERS  | 8 11,906 3.8 455  |                        |                |               |
| STATES- 31,34                                      | 5 WITH HERD-MATES   | 8 11,906 3.8 455  | 248                    | 12,641         | 458           |
|  |                     |                   | DIFF.                  | 735-           | 3-            |
| 010258727 .....                                    | 9 NDN-AI DAUGHTERS  | 14 11,661 3.8 442 |                        |                |               |
| LISTED, 11-63                                      | 9 WITH HERD-MATES   | 14 11,661 3.8 442 | 18                     | 12,927         | 479           |
| STATES- 21,23,31,33                                |                     |                   | DIFF.                  | 1266-          | 37-           |
| 010258920 .....                                    | 7 NDN-AI DAUGHTERS  | 10 12,555 3.6 449 |                        |                |               |
| STATES- 21,22,23,74                                | 7 WITH HERD-MATES   | 10 12,555 3.6 449 | 11                     | 12,974         | 470           |
|  |                     |                   | DIFF.                  | 419-           | 21-           |
| 010259176 .....                                    | 17 NDN-AI DAUGHTERS | 18 12,500 3.7 463 |                        |                |               |
| LISTED, 11-63                                      | 17 WITH HERD-MATES  | 18 12,500 3.7 463 | 35                     | 12,549         | 460           |
| STATES- 16,21,23,31,33,51,52, 61                   |                     |                   | DIFF.                  | 49-            | 3             |
| 010259492 .....                                    | 5 NDN-AI DAUGHTERS  | 8 15,110 3.4 516  |                        |                |               |
| STATES- 21,23,73                                   | 5 WITH HERD-MATES   | 8 15,110 3.4 516  | 5                      | 13,262         | 500           |
|  |                     |                   | DIFF.                  | 1848           | 16            |
| 010259542 .....                                    | 16 NDN-AI DAUGHTERS | 17 11,459 3.9 446 |                        |                |               |
| LISTED, 11-63                                      | 16 WITH HERD-MATES  | 17 11,459 3.9 446 | 22                     | 13,124         | 481           |
| STATES- 13,14,21,22,23,32                          |                     |                   | DIFF.                  | 1665-          | 35-           |
| 010261442 WIS SILVER CRDSS.....                    |                     |                   |                        |                |               |
| 11-26-56 1192327 2892873                           | 23 NDN-AI DAUGHTERS | 34 13,697 3.8 520 |                        |                |               |
| LISTED, 08-63                                      | 23 WITH HERD-MATES  | 34 13,697 3.8 520 | 181                    | 12,998         | 479           |
| STATES- 14,16,21,23,31,34,41, 51                   |                     |                   | DIFF.                  | 699            | 41            |
| 010264804 .....                                    | 5 NDN-AI DAUGHTERS  | 5 12,366 3.5 433  |                        |                |               |
| STATES- 23,31,57                                   | 5 WITH HERD-MATES   | 5 12,366 3.5 433  | 28                     | 14,159         | 495           |
|  |                     |                   | DIFF.                  | 1793-          | 62-           |
| 010265857 .....                                    | 5 NDN-AI DAUGHTERS  | 5 11,178 3.8 423  |                        |                |               |
| STATES- 23,31,43,58,63                             | 5 WITH HERD-MATES   | 5 11,178 3.8 423  | 17                     | 12,806         | 468           |
|  |                     |                   | DIFF.                  | 1628-          | 45-           |

| Sires of DHIA Daughters |                         |    |                  | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|-------------------------|-------------------------|----|------------------|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
| HOLSTEIN                |                         |    |                  | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 010267150               | .....                   | 33 | NDN-AI DAUGHTERS | 34                     | 12,868     | 3.7       | 477       |                     |            |           |               |           |
|                         | LISTED, 03-64           | 32 | WITH HERD-MATES  | 33                     | 13,048     | 3.7       | 486       | 26                  | 13,714     | 496       |               |           |
| STATES-                 | 11,14,16,21,23,31,32,   |    |                  |                        |            |           |           | DIFF.               | 666-       | 10-       |               |           |
| 34,51,57                |                         |    |                  |                        |            |           |           |                     |            |           |               |           |
| 010267260               | DDU8LE T N ARAB.....    |    |                  |                        |            |           |           |                     |            |           |               |           |
| 05-16-58                | 1264035 3092559         | 11 | NDN-AI DAUGHTERS | 11                     | 13,551     | 3.7       | 500       |                     |            |           |               |           |
|                         | LISTED, 03-64           | 11 | WITH HERD-MATES  | 11                     | 13,551     | 3.7       | 500       | 93                  | 13,127     | 468       |               |           |
| STATES-                 | 12,34,42,52,74          |    |                  |                        |            |           |           | DIFF.               | 424        | 32        |               |           |
| 010268043               | MAYERS DARK LEADER..... |    |                  |                        |            |           |           |                     |            |           |               |           |
| 02-18-58                | 915940 3309700          | 13 | NDN-AI DAUGHTERS | 13                     | 13,988     | 3.9       | 544       |                     |            |           |               |           |
|                         | LISTED, 03-64           | 13 | WITH HERD-MATES  | 13                     | 13,988     | 3.9       | 544       | 26                  | 13,349     | 490       |               |           |
| STATES-                 | 11,21,23,34,42,51,58    |    |                  |                        |            |           |           | DIFF.               | 639        | 54        |               |           |
| 13WZ4448                | .....                   | 18 | NDN-AI DAUGHTERS | 34                     | 10,697     | 3.6       | 387       |                     |            |           |               |           |
|                         | LISTED, 08-62           | 18 | WITH HERD-MATES  | 33                     | 10,673     | 3.6       | 386       | 11                  | 11,814     | 426       |               |           |
| STATES-                 | 13                      |    |                  |                        |            |           |           | DIFF.               | 1141-      | 40-       |               |           |
| 210AG8177               | .....                   | 12 | NDN-AI DAUGHTERS | 23                     | 11,820     | 3.5       | 418       |                     |            |           |               |           |
| STATES-                 | 21                      | 12 | WITH HERD-MATES  | 20                     | 11,683     | 3.5       | 412       | 2                   | 11,358     | 406       |               |           |
|                         |                         |    |                  |                        |            |           |           | DIFF.               | 325        | 6         |               |           |
| 210AG9765               | .....                   | 6  | NDN-AI DAUGHTERS | 10                     | 12,646     | 3.3       | 423       |                     |            |           |               |           |
| STATES-                 | 21                      | 1  | WITH HERD-MATES  | 3                      | 12,717     | 3.4       | 433       | 9                   | 12,313     | 437       |               |           |
|                         |                         |    |                  |                        |            |           |           | DIFF.               | 404        | 4-        |               |           |
| 22ZLE1473               | .....                   | 13 | NDN-AI DAUGHTERS | 29                     | 14,172     | 3.4       | 487       |                     |            |           |               |           |
| STATES-                 | 22                      | 12 | WITH HERD-MATES  | 26                     | 14,198     | 3.4       | 484       | 15                  | 13,174     | 433       |               |           |
|                         |                         |    |                  |                        |            |           |           | DIFF.               | 1024       | 51        |               |           |
| 23ABT1476               | .....                   | 5  | NDN-AI DAUGHTERS | 5                      | 17,168     | 3.3       | 573       |                     |            |           |               |           |
| STATES-                 | 23                      | 5  | WITH HERD-MATES  | 5                      | 17,168     | 3.3       | 573       | 10                  | 13,930     | 526       |               |           |
|                         |                         |    |                  |                        |            |           |           | DIFF.               | 3238       | 47        |               |           |
| 23AQM8375               | .....                   | 5  | NDN-AI DAUGHTERS | 6                      | 7,986      | 4.0       | 323       |                     |            |           |               |           |
| STATES-                 | 23                      | 3  | WITH HERD-MATES  | 3                      | 7,137      | 4.1       | 295       | 1                   | 12,476     | 462       |               |           |
|                         |                         |    |                  |                        |            |           |           | DIFF.               | 5339-      | 167-      |               |           |
| 23WAN4405               | .....                   | 6  | NDN-AI DAUGHTERS | 6                      | 10,817     | 3.8       | 412       |                     |            |           |               |           |
| STATES-                 | 23                      | 6  | WITH HERD-MATES  | 6                      | 10,817     | 3.8       | 412       | 19                  | 10,256     | 399       |               |           |
|                         |                         |    |                  |                        |            |           |           | DIFF.               | 561        | 13        |               |           |
| 31WAE1365               | .....                   | 10 | NDN-AI DAUGHTERS | 10                     | 13,036     | 3.8       | 496       |                     |            |           |               |           |
| STATES-                 | 31                      | 10 | WITH HERD-MATES  | 10                     | 13,036     | 3.8       | 496       | 25                  | 14,106     | 497       |               |           |
|                         |                         |    |                  |                        |            |           |           | DIFF.               | 1070-      | 1-        |               |           |
| 33WAK2722               | .....                   | 5  | NDN-AI DAUGHTERS | 8                      | 10,628     | 4.0       | 421       |                     |            |           |               |           |
| STATES-                 | 33                      | 5  | WITH HERD-MATES  | 8                      | 10,628     | 4.0       | 421       | 15                  | 12,596     | 485       |               |           |
|                         |                         |    |                  |                        |            |           |           | DIFF.               | 1968-      | 64-       |               |           |
| 330OP1633               | .....                   | 12 | NDN-AI DAUGHTERS | 12                     | 11,880     | 3.7       | 442       |                     |            |           |               |           |
| STATES-                 | 33                      | 12 | WITH HERD-MATES  | 12                     | 11,880     | 3.7       | 442       | 5                   | 10,998     | 401       |               |           |
|                         | LISTED, 03-64           |    |                  |                        |            |           |           | DIFF.               | 882        | 41        |               |           |
| 35AN89318               | .....                   | 12 | NDN-AI DAUGHTERS | 12                     | 11,563     | 3.7       | 426       |                     |            |           |               |           |
| STATES-                 | 35                      | 12 | WITH HERD-MATES  | 12                     | 11,563     | 3.7       | 426       | 8                   | 12,312     | 458       |               |           |
|                         | LISTED, 03-64           |    |                  |                        |            |           |           | DIFF.               | 749-       | 32-       |               |           |
| 35ASS0456               | .....                   | 5  | NDN-AI DAUGHTERS | 5                      | 8,274      | 3.7       | 309       |                     |            |           |               |           |
| STATES-                 | 35                      | 5  | WITH HERD-MATES  | 5                      | 8,274      | 3.7       | 309       | 11                  | 10,221     | 355       |               |           |
|                         |                         |    |                  |                        |            |           |           | DIFF.               | 1947-      | 46-       |               |           |
| 35S279317               | .....                   | 6  | NDN-AI DAUGHTERS | 6                      | 12,845     | 3.7       | 474       |                     |            |           |               |           |
| STATES-                 | 35                      | 6  | WITH HERD-MATES  | 6                      | 12,845     | 3.7       | 474       | 7                   | 13,009     | 491       |               |           |
|                         |                         |    |                  |                        |            |           |           | DIFF.               | 164-       | 17-       |               |           |
| 35WAO1405               | .....                   | 9  | NDN-AI DAUGHTERS | 10                     | 12,796     | 4.1       | 526       |                     |            |           |               |           |
| STATES-                 | 35                      | 9  | WITH HERD-MATES  | 10                     | 12,796     | 4.1       | 526       | 12                  | 14,754     | 552       |               |           |
|                         | LISTED, 03-64           |    |                  |                        |            |           |           | DIFF.               | 1958-      | 26-       |               |           |
| 35WAE6474               | .....                   | 5  | NDN-AI DAUGHTERS | 5                      | 10,348     | 3.5       | 362       |                     |            |           |               |           |
| STATES-                 | 35                      | 5  | WITH HERD-MATES  | 5                      | 10,348     | 3.5       | 362       | 11                  | 10,760     | 378       |               |           |
|                         |                         |    |                  |                        |            |           |           | DIFF.               | 412-       | 16-       |               |           |
| 35WAF5750               | .....                   | 8  | NDN-AI DAUGHTERS | 8                      | 10,670     | 3.5       | 376       |                     |            |           |               |           |
| STATES-                 | 35                      | 8  | WITH HERD-MATES  | 8                      | 10,670     | 3.5       | 376       | 14                  | 9,138      | 340       |               |           |
|                         | LISTED, 05-64           |    |                  |                        |            |           |           | DIFF.               | 1532       | 36        |               |           |
| 35WAR6471               | .....                   | 7  | NDN-AI DAUGHTERS | 7                      | 14,189     | 3.3       | 474       |                     |            |           |               |           |
| STATES-                 | 35                      | 7  | WITH HERD-MATES  | 7                      | 14,189     | 3.3       | 474       | 5                   | 12,644     | 467       |               |           |
|                         |                         |    |                  |                        |            |           |           | DIFF.               | 1545       | 7         |               |           |
| 35WAS2468               | .....                   | 11 | NDN-AI DAUGHTERS | 11                     | 11,324     | 3.4       | 383       |                     |            |           |               |           |
| STATES-                 | 35                      | 11 | WITH HERD-MATES  | 11                     | 11,324     | 3.4       | 383       | 11                  | 12,825     | 438       |               |           |
|                         | LISTED, 03-64           |    |                  |                        |            |           |           | DIFF.               | 1501-      | 55-       |               |           |



## SIRE OF DHIA DAUGHTERS

| HOLSTEIN        |  |  |  | AV. PRDUCTION OF | DAU.             | ADJ. HERD-MATES | AV.    | PREDICTED | AV.    |     |
|-----------------|--|--|--|------------------|------------------|-----------------|--------|-----------|--------|-----|
|                 |  |  |  | RECDROS          | MILK             | TEST            | FAT    | AV.       | MILK   | FAT |
|                 |  |  |  | NUMBER           | L8               | %               | L8     | NUMBER    | L8     | L8  |
| 35WAX6925 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| STATES- 35      |  |  |  | 5                | NON-AI DAUGHTERS | 5               | 10,950 | 3.5       | 382    |     |
|                 |  |  |  | 5                | WITH HERD-MATES  | 5               | 10,950 | 3.5       | 382    |     |
|                 |  |  |  |                  |                  |                 |        | 11        | 11,279 | 424 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 329-   | 42- |
| 35WJC3500 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| STATES- 35      |  |  |  | 7                | NDN-AI DAUGHTERS | 7               | 11,331 | 3.4       | 381    |     |
|                 |  |  |  | 7                | WITH HERD-MATES  | 7               | 11,331 | 3.4       | 381    |     |
|                 |  |  |  |                  |                  |                 |        | 5         | 11,281 | 382 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 50     | 1-  |
| 350AA4000 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| LISTED, 08-62   |  |  |  | 8                | NON-AI DAUGHTERS | 8               | 14,043 | 3.8       | 528    |     |
|                 |  |  |  | 8                | WITH HERD-MATES  | 8               | 14,043 | 3.8       | 528    |     |
| STATES- 35      |  |  |  |                  |                  |                 |        | 8         | 13,437 | 509 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 606    | 19  |
| 350AC8234 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| LISTED, 03-64   |  |  |  | 14               | NON-AI DAUGHTERS | 15              | 12,542 | 3.5       | 437    |     |
|                 |  |  |  | 14               | WITH HERD-MATES  | 15              | 12,542 | 3.5       | 437    |     |
| STATES- 35      |  |  |  |                  |                  |                 |        | 6         | 12,422 | 439 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 120    | 2-  |
| 350HR2222 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| LISTED, 03-64   |  |  |  | 16               | NDN-AI DAUGHTERS | 16              | 11,505 | 3.7       | 426    |     |
|                 |  |  |  | 16               | WITH HERD-MATES  | 16              | 11,505 | 3.7       | 426    |     |
| STATES- 35      |  |  |  |                  |                  |                 |        | 12        | 11,265 | 394 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 240    | 32  |
| 350RM3333 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| STATES- 35      |  |  |  | 5                | NON-AI DAUGHTERS | 5               | 13,560 | 3.4       | 461    |     |
|                 |  |  |  | 5                | WITH HERD-MATES  | 5               | 13,560 | 3.4       | 461    |     |
|                 |  |  |  |                  |                  |                 |        | 19        | 13,340 | 484 |
|                 |  |  |  |                  |                  |                 |        | OIFF.     | 220    | 23- |
| 4108W8316 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| LISTED, 08-63   |  |  |  | 9                | NDN-AI DAUGHTERS | 14              | 12,722 | 3.9       | 497    |     |
|                 |  |  |  | 9                | WITH HERD-MATES  | 14              | 12,722 | 3.9       | 497    |     |
| STATES- 41      |  |  |  |                  |                  |                 |        | 12        | 13,539 | 502 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 817-   | 5-  |
| 41WAA7058 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| STATES- 41      |  |  |  | 6                | NON-AI DAUGHTERS | 7               | 7,914  | 3.9       | 307    |     |
|                 |  |  |  | 6                | WITH HERD-MATES  | 7               | 7,914  | 3.9       | 307    |     |
|                 |  |  |  |                  |                  |                 |        | 9         | 8,457  | 310 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 543-   | 3-  |
| 41WAF7349 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| STATES- 41      |  |  |  | 7                | NDN-AI DAUGHTERS | 7               | 13,927 | 3.7       | 521    |     |
|                 |  |  |  | 6                | WITH HERD-MATES  | 6               | 13,918 | 3.7       | 520    |     |
|                 |  |  |  |                  |                  |                 |        | 7         | 13,508 | 488 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 410    | 32  |
| 41WAI5291 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| LISTED, 08-63   |  |  |  | 9                | NDN-AI DAUGHTERS | 13              | 10,003 | 3.4       | 340    |     |
|                 |  |  |  | 9                | WITH HERD-MATES  | 13              | 10,003 | 3.4       | 340    |     |
| STATES- 41      |  |  |  |                  |                  |                 |        | 18        | 10,484 | 367 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 481-   | 27- |
| 41WCE0698 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| STATES- 41      |  |  |  | 6                | NDN-AI DAUGHTERS | 6               | 11,535 | 3.5       | 408    |     |
|                 |  |  |  | 6                | WITH HERD-MATES  | 6               | 11,535 | 3.5       | 408    |     |
|                 |  |  |  |                  |                  |                 |        | 12        | 11,537 | 386 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 2-     | 22  |
| 41WCF1476 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| STATES- 41      |  |  |  | 6                | NON-AI DAUGHTERS | 6               | 12,157 | 3.5       | 424    |     |
|                 |  |  |  | 6                | WITH HERD-MATES  | 6               | 12,157 | 3.5       | 424    |     |
|                 |  |  |  |                  |                  |                 |        | 16        | 13,660 | 504 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 1503-  | 80- |
| 41WCK1201 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| STATES- 41      |  |  |  | 9                | NON-AI DAUGHTERS | 9               | 10,788 | 3.4       | 365    |     |
|                 |  |  |  | 9                | WITH HERD-MATES  | 9               | 10,788 | 3.4       | 365    |     |
|                 |  |  |  |                  |                  |                 |        | 14        | 12,101 | 406 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 1313-  | 41- |
| 41XCH7824 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| LISTED, 03-64   |  |  |  | 12               | NDN-AI DAUGHTERS | 12              | 12,043 | 4.1       | 488    |     |
|                 |  |  |  | 12               | WITH HERD-MATES  | 12              | 12,043 | 4.1       | 488    |     |
| STATES- 41      |  |  |  |                  |                  |                 |        | 10        | 13,078 | 498 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 1035-  | 10- |
| 4108T2466 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| LISTED, 08-62   |  |  |  | 9                | NON-AI DAUGHTERS | 14              | 11,272 | 3.6       | 402    |     |
|                 |  |  |  | 8                | WITH HERD-MATES  | 13              | 11,315 | 3.6       | 404    |     |
| STATES- 41      |  |  |  |                  |                  |                 |        | 15        | 12,208 | 435 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 893-   | 31- |
| 410XR7045 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| LISTED, 08-62   |  |  |  | 27               | NON-AI DAUGHTERS | 41              | 15,555 | 3.4       | 535    |     |
|                 |  |  |  | 22               | WITH HERD-MATES  | 32              | 15,216 | 3.4       | 521    |     |
| STATES- 41      |  |  |  |                  |                  |                 |        | 4         | 13,210 | 479 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 2006   | 42  |
| 410ZY2454 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| LISTED, 08-62   |  |  |  | 14               | NON-AI DAUGHTERS | 21              | 11,923 | 3.8       | 455    |     |
|                 |  |  |  | 14               | WITH HERD-MATES  | 20              | 12,068 | 3.8       | 463    |     |
| STATES- 41      |  |  |  |                  |                  |                 |        | 9         | 12,972 | 474 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 904-   | 11- |
| 42WAI1416 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| STATES- 42      |  |  |  | 5                | NON-AI DAUGHTERS | 5               | 13,046 | 3.6       | 476    |     |
|                 |  |  |  | 5                | WITH HERD-MATES  | 5               | 13,046 | 3.6       | 476    |     |
|                 |  |  |  |                  |                  |                 |        | 14        | 12,810 | 465 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 236    | 11  |
| 42WAN3031 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| LISTED, 03-64   |  |  |  | 13               | NON-AI DAUGHTERS | 13              | 13,178 | 3.7       | 490    |     |
|                 |  |  |  | 12               | WITH HERD-MATES  | 12              | 13,032 | 3.7       | 488    |     |
| STATES- 42      |  |  |  |                  |                  |                 |        | 29        | 12,763 | 477 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 269    | 11  |
| 42WAU3139 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| LISTED, 03-64   |  |  |  | 17               | NON-AI DAUGHTERS | 19              | 10,724 | 3.6       | 388    |     |
|                 |  |  |  | 17               | WITH HERD-MATES  | 19              | 10,724 | 3.6       | 388    |     |
| STATES- 42      |  |  |  |                  |                  |                 |        | 11        | 12,247 | 436 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 1523-  | 48- |
| 42WAU5825 ..... |  |  |  |                  |                  |                 |        |           |        |     |
| LISTED, 03-64   |  |  |  | 10               | NON-AI DAUGHTERS | 11              | 12,518 | 3.5       | 434    |     |
|                 |  |  |  | 10               | WITH HERD-MATES  | 11              | 12,518 | 3.5       | 434    |     |
| STATES- 42      |  |  |  |                  |                  |                 |        | 12        | 13,349 | 476 |
|                 |  |  |  |                  |                  |                 |        | DIFF.     | 831-   | 42- |

## SIRE OF OHIA DAUGHTERS

| HOLSTEIN   |                                  |    | AV. PRODUCTION OF     | DAU.   | ADJ. HERO-MATES AV. | PREOICTED AV. |
|------------|----------------------------------|----|-----------------------|--------|---------------------|---------------|
|            |                                  |    | RECOROS MILK TEST FAT | NUMBER | AV. MILK L8         | FAT L8        |
| 46WA0440D  | 11 NON-AI DAUGHTERS              | 17 | 9,737                 | 3.4    | 328                 |               |
| STATES- 46 | LISTED, 08-63 11 WITH HERD-MATES | 17 | 9,737                 | 3.4    | 328                 |               |
|            |                                  |    |                       | 10     | 10,049              | 346           |
|            |                                  |    |                       | DIFF.  | 312-                | 18-           |
| 48WAA9471  | 6 NON-AI DAUGHTERS               | 6  | 11,568                | 3.4    | 388                 |               |
| STATES- 48 | 6 WITH HERD-MATES                | 6  | 11,568                | 3.4    | 388                 |               |
|            |                                  |    |                       | 14     | 11,443              | 418           |
|            |                                  |    |                       | DIFF.  | 125                 | 30-           |
| 48WAC9699  | 5 NON-AI DAUGHTERS               | 8  | 12,303                | 3.7    | 451                 |               |
| STATES- 48 | 5 WITH HERD-MATES                | 8  | 12,303                | 3.7    | 451                 |               |
|            |                                  |    |                       | 12     | 12,509              | 447           |
|            |                                  |    |                       | DIFF.  | 206-                | 4             |
| 48WAD4200  | 11 NON-AI DAUGHTERS              | 13 | 11,514                | 3.5    | 407                 |               |
| STATES- 48 | LISTED, 05-64 11 WITH HERD-MATES | 13 | 11,514                | 3.5    | 407                 |               |
|            |                                  |    |                       | 9      | 11,716              | 415           |
|            |                                  |    |                       | DIFF.  | 202-                | 8-            |
| 48WH87634  | 5 NON-AI DAUGHTERS               | 5  | 12,960                | 4.1    | 525                 |               |
| STATES- 48 | 5 WITH HERD-MATES                | 5  | 12,960                | 4.1    | 525                 |               |
|            |                                  |    |                       | 18     | 12,444              | 471           |
|            |                                  |    |                       | DIFF.  | 516                 | 54            |
| 48WHC6024  | 5 NON-AI DAUGHTERS               | 5  | 12,880                | 3.6    | 466                 |               |
| STATES- 48 | 5 WITH HERD-MATES                | 5  | 12,880                | 3.6    | 466                 |               |
|            |                                  |    |                       | 10     | 12,842              | 480           |
|            |                                  |    |                       | DIFF.  | 38                  | 14-           |
| 48WHO1349  | 6 NON-AI DAUGHTERS               | 6  | 8,528                 | 3.9    | 335                 |               |
| STATES- 48 | 5 WITH HERD-MATES                | 5  | 8,592                 | 3.9    | 333                 |               |
|            |                                  |    |                       | 11     | 9,671               | 349           |
|            |                                  |    |                       | DIFF.  | 1079-               | 16-           |
| 52AAU2439  | 14 NON-AI DAUGHTERS              | 31 | 6,954                 | 4.0    | 275                 |               |
| STATES- 52 | LISTED, 08-62 14 WITH HERD-MATES | 31 | 6,954                 | 4.0    | 275                 |               |
|            |                                  |    |                       | 9      | 8,212               | 300           |
|            |                                  |    |                       | DIFF.  | 1258-               | 25-           |
| 52XAA5732  | 5 NON-AI DAUGHTERS               | 7  | 11,216                | 4.1    | 459                 |               |
| STATES- 52 | LISTED, 05-64 4 WITH HERD-MATES  | 6  | 10,903                | 4.1    | 450                 |               |
|            |                                  |    |                       | 8      | 11,027              | 420           |
|            |                                  |    |                       | DIFF.  | 124-                | 30            |
| 52XAC7152  | 13 NON-AI DAUGHTERS              | 22 | 6,811                 | 3.9    | 267                 |               |
| STATES- 52 | LISTED, 08-62 13 WITH HERD-MATES | 22 | 6,811                 | 3.9    | 267                 |               |
|            |                                  |    |                       | 13     | 8,592               | 303           |
|            |                                  |    |                       | DIFF.  | 1781-               | 36-           |
| 52XAG8790  | 9 NON-AI DAUGHTERS               | 15 | 13,431                | 4.0    | 535                 |               |
| STATES- 52 | LISTED, 11-63 9 WITH HERD-MATES  | 15 | 13,431                | 4.0    | 535                 |               |
|            |                                  |    |                       | 17     | 14,145              | 520           |
|            |                                  |    |                       | DIFF.  | 714-                | 15            |
| 52XAP6201  | 6 NON-AI DAUGHTERS               | 6  | 8,517                 | 3.6    | 306                 |               |
| STATES- 52 | LISTED, 05-64 6 WITH HERD-MATES  | 6  | 8,517                 | 3.6    | 306                 |               |
|            |                                  |    |                       | 14     | 11,951              | 443           |
|            |                                  |    |                       | DIFF.  | 3434-               | 137-          |
| 55ACG2225  | 7 NON-AI DAUGHTERS               | 8  | 12,110                | 2.9    | 355                 |               |
| STATES- 55 | 7 WITH HERD-MATES                | 8  | 12,110                | 2.9    | 355                 |               |
|            |                                  |    |                       | 24     | 9,251               | 307           |
|            |                                  |    |                       | DIFF.  | 2859                | 48            |
| 55WAC9268  | 15 NON-AI DAUGHTERS              | 26 | 12,448                | 3.9    | 480                 |               |
| STATES- 55 | LISTED, 01-63 15 WITH HERD-MATES | 26 | 12,448                | 3.9    | 480                 |               |
|            |                                  |    |                       | 38     | 12,237              | 430           |
|            |                                  |    |                       | DIFF.  | 211                 | 50            |
| 55WA03934  | 8 NON-AI DAUGHTERS               | 14 | 9,946                 | 3.5    | 350                 |               |
| STATES- 55 | LISTED, 01-63 8 WITH HERD-MATES  | 14 | 9,946                 | 3.5    | 350                 |               |
|            |                                  |    |                       | 21     | 10,774              | 389           |
|            |                                  |    |                       | DIFF.  | 828-                | 39-           |
| 56A81175D  | 5 NON-AI DAUGHTERS               | 5  | 10,078                | 3.5    | 357                 |               |
| STATES- 56 | 5 WITH HERD-MATES                | 5  | 10,078                | 3.5    | 357                 |               |
|            |                                  |    |                       | 39     | 10,378              | 371           |
|            |                                  |    |                       | DIFF.  | 300-                | 14-           |
| 61WA897DD  | 10 NON-AI DAUGHTERS              | 10 | 13,973                | 3.8    | 531                 |               |
| STATES- 61 | LISTED, 05-64 10 WITH HERD-MATES | 10 | 13,973                | 3.8    | 531                 |               |
|            |                                  |    |                       | 10     | 13,391              | 476           |
|            |                                  |    |                       | DIFF.  | 582                 | 55            |
| 74WA82222  | 12 NON-AI DAUGHTERS              | 25 | 10,475                | 4.0    | 424                 |               |
| STATES- 74 | LISTED, 01-63 12 WITH HERD-MATES | 25 | 10,475                | 4.0    | 424                 |               |
|            |                                  |    |                       | 13     | 10,859              | 403           |
|            |                                  |    |                       | DIFF.  | 384-                | 21            |
| 81DD82217  | 8 NON-AI DAUGHTERS               | 12 | 12,225                | 3.5    | 424                 |               |
| STATES- 81 | LISTED, 08-63 8 WITH HERD-MATES  | 12 | 12,225                | 3.5    | 424                 |               |
|            |                                  |    |                       | 13     | 12,024              | 435           |
|            |                                  |    |                       | DIFF.  | 201                 | 11-           |
| 87WAC4467  | 11 NON-AI DAUGHTERS              | 11 | 13,955                | 3.6    | 503                 |               |
| STATES- 87 | LISTED, 05-64 11 WITH HERD-MATES | 11 | 13,955                | 3.6    | 503                 |               |
|            |                                  |    |                       | 13     | 15,258              | 535           |
|            |                                  |    |                       | DIFF.  | 1303-               | 32-           |
| 91WAF0164  | 6 NON-AI DAUGHTERS               | 6  | 12,277                | 3.9    | 480                 |               |
| STATES- 91 | 6 WITH HERD-MATES                | 6  | 12,277                | 3.9    | 480                 |               |
|            |                                  |    |                       | 18     | 11,776              | 455           |
|            |                                  |    |                       | DIFF.  | 501                 | 25            |

## SIREs OF DHIA DAUGHTERS

| HOLSTEIN        | AV. PRDUCTION DF DAU. |                  |      |        | ADJ. HERD-MATES AV. |      |       | PREDICTED AV. |     |
|-----------------|-----------------------|------------------|------|--------|---------------------|------|-------|---------------|-----|
|                 | RECORDS               | MILK             | TEST | FAT    | AV.                 | MILK | FAT   | MILK          | FAT |
|                 | NUMBER                | LB               | %    | LB     | NUMBER              | LB   | LB    | LB            | LB  |
| 91WAH4001 ..... |                       |                  |      |        |                     |      |       |               |     |
| STATES- 91      | 9                     | NDN-AI DAUGHTERS | 9    | 15,259 | 3.7                 | 562  |       |               |     |
|                 | 9                     | WITH HERD-MATES  | 9    | 15,259 | 3.7                 | 562  | 19    | 15,707        | 575 |
|                 |                       |                  |      |        |                     |      | DIFF. | 448-          | 13- |
| 91WAH4002 ..... |                       |                  |      |        |                     |      |       |               |     |
| STATES- 91      | 14                    | NDN-AI DAUGHTERS | 14   | 15,191 | 3.7                 | 556  |       |               |     |
|                 | 14                    | WITH HERD-MATES  | 14   | 15,191 | 3.7                 | 556  | 16    | 16,442        | 604 |
|                 |                       |                  |      |        |                     |      | DIFF. | 1251-         | 48- |
| 91WAH4003 ..... |                       |                  |      |        |                     |      |       |               |     |
| STATES- 91      | 10                    | NDN-AI DAUGHTERS | 10   | 17,176 | 3.7                 | 633  |       |               |     |
|                 | 9                     | WITH HERD-MATES  | 9    | 17,242 | 3.7                 | 633  | 19    | 14,853        | 545 |
|                 |                       |                  |      |        |                     |      | DIFF. | 2389          | 88  |
| 91YAD0146 ..... |                       |                  |      |        |                     |      |       |               |     |
| STATES- 91      | 8                     | NDN-AI DAUGHTERS | 8    | 14,364 | 3.7                 | 530  |       |               |     |
|                 | 8                     | WITH HERD-MATES  | 8    | 14,364 | 3.7                 | 530  | 39    | 15,346        | 559 |
|                 |                       |                  |      |        |                     |      | DIFF. | 982-          | 29- |
| 9200E7515 ..... |                       |                  |      |        |                     |      |       |               |     |
| STATES- 92      | 5                     | NDN-AI DAUGHTERS | 9    | 12,617 | 3.8                 | 484  |       |               |     |
| LISTED, 05-64   | 5                     | WITH HERD-MATES  | 9    | 12,617 | 3.8                 | 484  | 10    | 14,322        | 535 |
|                 |                       |                  |      |        |                     |      | DIFF. | 1705-         | 51- |
| 93W886506 ..... |                       |                  |      |        |                     |      |       |               |     |
| STATES- 93      | 19                    | NDN-AI DAUGHTERS | 37   | 13,691 | 3.6                 | 490  |       |               |     |
| LISTED, 11-63   | 19                    | WITH HERD-MATES  | 37   | 13,691 | 3.6                 | 490  | 113   | 14,225        | 500 |
|                 |                       |                  |      |        |                     |      | DIFF. | 534-          | 10- |



## SIREs OF DHIA DAUGHTERS

| JERSEY   |                                  |               |     | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--|----------------------------------|---------------|-----|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|  |                                  |               |     | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 407359   | SIGNAL PANSY OBSERVER.....       |               |     |                        |            |           |           |                     |            |           |               |           |
| 01-01-40   | 378561                           | 1129772       | 18  | NDN-AI DAUGHTERS       | 52         | 7,472     | 5.6       | 417                 |            |           |               |           |
| STATES- 33   |                                  |               | 11  | WITH HERD-MATES        | 32         | 7,174     | 5.5       | 396                 | 3          | 7,764     | 402           | 6-        |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 590-      |               |           |
| 443591   | MADCAP DOUBLE VICTOR.....        |               |     |                        |            |           |           |                     |            |           |               |           |
| 06-09-42   | 337385                           | 1242839       | 61  | NDN-AI DAUGHTERS       | 218        | 7,900     | 5.3       | 419                 |            |           |               |           |
| AI STUD, 21-02   |                                  |               | 19  | WITH HERD-MATES        | 60         | 7,701     | 5.3       | 406                 | 8          | 8,367     | 424           | 18-       |
| STATES- 21   |                                  |               |     |                        |            |           |           |                     | DIFF.      | 666-      |               |           |
| 460788   | DUKE BEAU GIPSY.....             |               |     |                        |            |           |           |                     |            |           |               |           |
| 08-07-43   | 356579                           | 1166895       | 84  | NDN-AI DAUGHTERS       | 254        | 10,174    | 5.0       | 511                 |            |           |               |           |
| STATES- 11,13,16,21,23,32,58   |                                  |               | 45  | WITH HERD-MATES        | 144        | 10,650    | 5.0       | 528                 | 21         | 10,251    | 529           | 1-        |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 399       |               |           |
| 470589   | NOBLE DESIGN REX.....            |               |     |                        |            |           |           |                     |            |           |               |           |
| 06-10-45   | 449840                           | 1276234       | 8   | NON-AI DAUGHTERS       | 8          | 5,849     | 4.7       | 275                 |            |           |               |           |
| STATES- 72   |                                  | LISTED, 03-64 | 7   | WITH HERD-MATES        | 7          | 5,973     | 4.8       | 286                 | 13         | 6,428     | 321           | 35-       |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 455-      |               |           |
| 472181   | BRAMPTON BLOOMING BASIL.....     |               |     |                        |            |           |           |                     |            |           |               |           |
| 05-26-45   | 010091299                        | 010094634     | 68  | AI DAUGHTERS-25*       | 165        | 8,012     | 5.0       | 399                 |            |           |               |           |
| AI STUD, 63-02   |                                  |               | 37  | WITH HERD-MATES        | 98         | 8,226     | 4.9       | 399                 | 8          | 8,048     | 407           | 8,198 409 |
| STATES- 41,43,61,63,74   |                                  |               |     |                        |            |           |           |                     | DIFF.      | 178       | 8-            |           |
| 473320   | LDRD NOBLE DREAMER.....          |               |     |                        |            |           |           |                     |            |           |               |           |
| 02-11-45   | 397562                           | 1453405       | 12  | NON-AI DAUGHTERS       | 14         | 8,957     | 4.7       | 419                 |            |           |               |           |
| STATES- 91   |                                  | LISTED, 03-64 | 12  | WITH HERD-MATES        | 13         | 8,946     | 4.7       | 420                 | 16         | 8,645     | 443           | 23-       |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 301       |               |           |
| 474007   | SYBIL OWL BENJAMIN.....          |               |     |                        |            |           |           |                     |            |           |               |           |
| 08-11-45   | 396681                           | 1298290       | 661 | AI DAUGHTERS-25*       | 1669       | 8,406     | 5.2       | 437                 |            |           |               |           |
| AI STUD, 23-05   |                                  | LISTED, 05-64 | 589 | WITH HERD-MATES        | 1520       | 8,482     | 5.2       | 442                 | 9          | 8,240     | 427           | 8,320 432 |
| STATES- 21,23,31,50,51,52,54   |                                  |               |     |                        |            |           |           |                     | DIFF.      | 242       | 15            |           |
|  |                                  |               | 7   | NDN-AI DAUGHTERS       | 23         | 8,058     | 5.1       | 414                 |            |           |               |           |
|  |                                  |               | 1   | WITH HERD-MATES        | 3          | 10,300    | 4.6       | 470                 | 1          | 8,233     | 426           |           |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 2067      | 44            |           |
| 475547   | SYBIL DWL-S CAROLINA KING.....   |               |     |                        |            |           |           |                     |            |           |               |           |
| 12-28-45   | 396681                           | 1124540       | 126 | AI DAUGHTERS-25*       | 321        | 7,850     | 4.9       | 386                 |            |           |               |           |
| AI STUD, 35-75   |                                  |               | 113 | WITH HERD-MATES        | 291        | 7,837     | 5.0       | 388                 | 18         | 7,890     | 393           | 8,002 410 |
| STATES- 14,21,31,32,34,52,55,56,57,58,64,65  |                                  |               | 18  | NDN-AI DAUGHTERS       | 27         | 9,259     | 5.1       | 468                 | DIFF.      | 53-       | 5-            |           |
| 476594   | PINNACLE WONDERFUL BASIL.....    |               |     |                        |            |           |           |                     |            |           |               |           |
| 07-22-45   | 010100201                        | 010136929     | 83  | NON-AI DAUGHTERS       | 267        | 7,428     | 5.4       | 403                 |            |           |               |           |
| STATES- 21,31,32,63  |                                  |               | 49  | WITH HERD-MATES        | 151        | 7,609     | 5.3       | 402                 | 8          | 7,878     | 412           | 10-       |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 269-      |               |           |
| 480381   | MASTERPIECE PRINCE OXFORD.....   |               |     |                        |            |           |           |                     |            |           |               |           |
| 07-16-46   | 465177                           | 1474743       | 23  | NDN-AI DAUGHTERS       | 43         | 7,739     | 5.2       | 404                 |            |           |               |           |
| STATES- 65,71,72   |                                  |               | 13  | WITH HERD-MATES        | 33         | 7,583     | 5.4       | 406                 | 25         | 8,385     | 442           | 36-       |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 802-      |               |           |
| 480635   | LILAC REMUS UNRIVALED COLIN..... |               |     |                        |            |           |           |                     |            |           |               |           |
| 11-05-46   | 409293                           | 1192575       | 60  | AI DAUGHTERS-14        | 102        | 7,126     | 5.1       | 365                 |            |           |               |           |
| AI STUD, 72-01   |                                  | LISTED, 01-63 | 59  | WITH HERD-MATES        | 100        | 7,199     | 5.1       | 369                 | 14         | 7,159     | 360           | 8,024 418 |
| STATES- 42,72  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 40        | 9             |           |
|  |                                  |               | 41  | NDN-AI DAUGHTERS       | 101        | 8,013     | 5.6       | 445                 |            |           |               |           |
|  |                                  |               | 34  | WITH HERD-MATES        | 83         | 8,004     | 5.5       | 442                 | 3          | 7,917     | 418           |           |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 87        | 24            |           |
| 487727   | SPARKLING LINEA SIR.....         |               |     |                        |            |           |           |                     |            |           |               |           |
| 01-06-47   | 388076                           | 1222910       | 10  | NON-AI DAUGHTERS       | 16         | 6,951     | 5.2       | 363                 |            |           |               |           |
| STATES- 31,63  |                                  |               | 4   | WITH HERD-MATES        | 6          | 6,825     | 5.2       | 353                 | 13         | 8,607     | 451           | 98-       |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 1782-     |               |           |
| 488922   | LA FOSSE GOLDEN DESIGN.....      |               |     |                        |            |           |           |                     |            |           |               |           |
| 12-20-45   | 462313                           | 1418549       | 15  | NDN-AI DAUGHTERS       | 31         | 6,817     | 5.2       | 354                 |            |           |               |           |
| STATES- 56,57,58   |                                  | LISTED, 01-63 | 12  | WITH HERD-MATES        | 27         | 6,949     | 5.2       | 360                 | 53         | 7,374     | 368           | 8-        |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 425-      |               |           |
| 490707   | BASIL X PALATINE.....            |               |     |                        |            |           |           |                     |            |           |               |           |
| 08-06-46   | 460676                           | 1224302       | 95  | AI DAUGHTERS-25*       | 259        | 8,074     | 5.1       | 411                 |            |           |               |           |
| AI STUD, 35-75   |                                  |               | 84  | WITH HERD-MATES        | 232        | 8,197     | 5.1       | 416                 | 21         | 7,927     | 405           | 8,289 425 |
| STATES- 21,32,33,34,41,42,43,54,55,56,57,58,63,64  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 270       | 11            |           |
|  |                                  |               | 24  | NDN-AI DAUGHTERS       | 65         | 8,856     | 5.5       | 484                 |            |           |               |           |
|  |                                  |               | 19  | WITH HERD-MATES        | 52         | 8,869     | 5.5       | 486                 | 6          | 8,731     | 455           |           |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 138       | 31            |           |
| 495473   | VALIANT ROSE-S AIM.....          |               |     |                        |            |           |           |                     |            |           |               |           |
| 09-16-47   | 439545                           | 1493741       | 77  | NDN-AI DAUGHTERS       | 278        | 7,376     | 5.3       | 388                 |            |           |               |           |
| STATES- 21,23,31,32,58,72  |                                  |               | 70  | WITH HERD-MATES        | 245        | 7,366     | 5.3       | 387                 | 8          | 7,458     | 385           | 2         |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 92-       |               |           |
| 497574   | WELCDME HIGH LAWN TORONO.....    |               |     |                        |            |           |           |                     |            |           |               |           |
| 12-21-47   | 399447                           | 1416139       | 280 | AI DAUGHTERS-25*       | 432        | 10,086    | 5.1       | 516                 |            |           |               |           |
| AI STUD, 31-02   |                                  | LISTED, 03-64 | 275 | WITH HERD-MATES        | 423        | 10,099    | 5.1       | 517                 | 23         | 8,938     | 460           | 9,252 474 |
| STATES- 11,12,13,14,16,21,22,23,31,32,33,47,52,55,56,57,58,63,64,72,73,74,82,85,88,92,93 |                                  |               |     |                        |            |           |           |                     | DIFF.      | 1161      | 57            |           |
|  |                                  |               | 62  | NDN-AI DAUGHTERS       | 254        | 11,421    | 5.2       | 595                 |            |           |               |           |
|  |                                  |               | 42  | WITH HERD-MATES        | 207        | 11,283    | 5.2       | 591                 | 30         | 10,357    | 556           |           |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 926       | 35            |           |
| 501100   | .....                            |               |     |                        |            |           |           |                     |            |           |               |           |
|  |                                  |               | 6   | NDN-AI DAUGHTERS       | 8          | 8,389     | 5.0       | 423                 |            |           |               |           |
| STATES- 31,34  |                                  |               | 4   | WITH HERD-MATES        | 5          | 9,466     | 5.0       | 473                 | 16         | 9,150     | 463           | 10        |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 316       |               |           |
| 502220   | JOYCE-S VOLUNTEER REMUS REX..... |               |     |                        |            |           |           |                     |            |           |               |           |
| 04-02-48   | 468676                           | 1562323       | 264 | AI DAUGHTERS-25*       | 487        | 9,105     | 5.1       | 463                 |            |           |               |           |
| AI STUD, 35-75   |                                  | LISTED, 08-62 | 251 | WITH HERD-MATES        | 460        | 9,138     | 5.1       | 465                 | 15         | 8,730     | 457           | 8,516 427 |
| STATES- 13,31,33,34,35,41,43,55,56,57,58,71,73,74,82,84,87,88,91,92,93                   |                                  |               |     |                        |            |           |           |                     | DIFF.      | 408       | 8             |           |
|  |                                  |               | 20  | NDN-AI DAUGHTERS       | 56         | 11,561    | 5.3       | 612                 |            |           |               |           |
|  |                                  |               | 3   | WITH HERD-MATES        | 9          | 11,632    | 4.9       | 571                 | 13         | 9,136     | 497           |           |
|  |                                  |               |     |                        |            |           |           |                     | DIFF.      | 2496      | 74            |           |

## SIREs OF DHIA DAUGHTERS

| JERSEY                                       |                                  |     |                  | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. MILK | AV. FAT | PREOICTED AV. | AV. MILK | AV. FAT |
|--|----------------------------------|-----|------------------|------------------------|---------------------|----------|---------|---------------|----------|---------|
|  |                                  |     |                  | RECORDS NUMBER         | MILK L8             | TEST %   | FAT L8  | NUMBER        | MILK L8  | FAT L8  |
| 503160                                       | 8ASILUA ZINNIA ADVANCER.....     |     |                  |                        |                     |          |         |               |          |         |
| 06-13-47                                     | 462656 1308568                   | 25  | AI DAUGHTERS-18  | 63                     | 7,874               | 5.2      | 407     |               |          |         |
| AI STUD, 31-02                               |                                  | 24  | WITH HERD-MATES  | 62                     | 7,880               | 5.2      | 406     | 8             | 8,294    | 424     |
| STATES- 31,32,33,35,42,43,46, 61             |                                  | 13  | NDN-AI DAUGHTERS | 34                     | 8,135               | 5.5      | 449     | DIFF.         | 414-     | 18-     |
|  |                                  | 4   | WITH HERD-MATES  | 11                     | 7,838               | 5.3      | 414     | 9             | 7,763    | 404     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 75       | 10      |
| 503988                                       | CDUNT 8EACDN.....                |     |                  |                        |                     |          |         |               |          |         |
| 06-20-48                                     | 010111595 1623579                | 78  | NDN-AI DAUGHTERS | 189                    | 9,613               | 5.4      | 516     |               |          |         |
| STATES- 13,14,16,21,22,23,31, 32,51,54,55,92 |                                  | 54  | WITH HERD-MATES  | 141                    | 9,837               | 5.4      | 528     | 17            | 9,396    | 500     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 441      | 28      |
| 505078                                       | REMUS STANDARD REX.....          |     |                  |                        |                     |          |         |               |          |         |
| 02-10-48                                     | 455708 1506366                   | 1   | AI DAUGHTERS-01  |                        |                     |          |         |               |          |         |
| AI STUD, 93-05                               |                                  | 1   | WITH HERD-MATES  |                        |                     |          |         |               |          |         |
| STATES- 82,88,91                             |                                  | 26  | NDN-AI DAUGHTERS | 65                     | 8,847               | 5.5      | 484     |               |          |         |
|  |                                  | 6   | WITH HERD-MATES  | 12                     | 9,057               | 5.3      | 479     | 7             | 9,536    | 501     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 479-     | 22-     |
| 505089                                       | 8RAMPTDN JESTER NDBLE.....       |     |                  |                        |                     |          |         |               |          |         |
| 01-22-48                                     | 447618 1535937                   | 20  | NDN-AI DAUGHTERS | 44                     | 6,924               | 5.1      | 354     |               |          |         |
| STATES- 31                                   |                                  | 15  | WITH HERD-MATES  | 39                     | 7,252               | 5.1      | 368     | 8             | 7,673    | 385     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 421-     | 17-     |
| 505750                                       | CDNSTANT EMMETT.....             |     |                  |                        |                     |          |         |               |          |         |
| 06-07-48                                     | 481632 1181370                   | 10  | NDN-AI DAUGHTERS | 17                     | 7,845               | 4.9      | 387     |               |          |         |
| STATES- 21                                   |                                  | 4   | WITH HERD-MATES  | 5                      | 8,809               | 4.8      | 420     | 15            | 8,333    | 427     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 476      | 7-      |
| 508060                                       | FAIRY-S GAY PINN.....            |     |                  |                        |                     |          |         |               |          |         |
| 01-05-48                                     | 457675 1218969                   | 12  | NDN-AI DAUGHTERS | 13                     | 8,157               | 5.1      | 416     |               |          |         |
| STATES- 13                                   | LISTED, 03-64                    | 12  | WITH HERD-MATES  | 13                     | 8,157               | 5.1      | 416     | 12            | 7,578    | 400     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 579      | 16      |
| 508318                                       | MILKMAIDS MASTERMAN DE LUXE..... |     |                  |                        |                     |          |         |               |          |         |
| 08-27-48                                     | 460898 1494952                   | 17  | NDN-AI DAUGHTERS | 30                     | 7,388               | 5.6      | 414     |               |          |         |
| STATES- 21                                   |                                  | 7   | WITH HERD-MATES  | 13                     | 8,111               | 5.8      | 469     | 3             | 8,174    | 411     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 63-      | 58      |
| 508805                                       | BLDNDE MASTERPIECE.....          |     |                  |                        |                     |          |         |               |          |         |
| 10-28-47                                     | 478082 1529102                   | 86  | NDN-AI DAUGHTERS | 188                    | 6,896               | 4.7      | 323     |               |          |         |
| STATES- 64                                   |                                  | 38  | WITH HERD-MATES  | 93                     | 6,812               | 4.6      | 313     | 40            | 7,506    | 347     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 694-     | 34-     |
| 510477                                       | BRUCE WESTFIELD LUCK.....        |     |                  |                        |                     |          |         |               |          |         |
| 04-05-48                                     | 460497 1377872                   | 46  | AI DAUGHTERS-15  | 87                     | 8,630               | 5.1      | 443     |               |          |         |
| AI STUD, 12-01                               |                                  | 35  | WITH HERD-MATES  | 69                     | 8,766               | 5.1      | 449     | 15            | 8,777    | 455     |
| STATES- 12,13,14,15,16                       |                                  | 23  | NDN-AI DAUGHTERS | 95                     | 8,694               | 5.1      | 447     | DIFF.         | 11-      | 6-      |
|  |                                  | 10  | WITH HERD-MATES  | 34                     | 8,674               | 5.2      | 447     | 7             | 8,810    | 457     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 136-     | 10-     |
| 512771                                       | AFTERGLDW STANDARD 8OUNCE.....   |     |                  |                        |                     |          |         |               |          |         |
| 07-22-48                                     | 484411 1554110                   | 12  | NDN-AI DAUGHTERS | 19                     | 6,201               | 5.2      | 325     |               |          |         |
| STATES- 63,65                                |                                  | 2   | WITH HERD-MATES  | 6                      | 7,342               | 5.2      | 380     | 40            | 7,711    | 397     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 369-     | 17-     |
| 514884                                       | MARLU ADVANCER SENTINEL.....     |     |                  |                        |                     |          |         |               |          |         |
| 09-10-48                                     | 462656 1451215                   | 146 | AI DAUGHTERS-25* | 302                    | 7,720               | 5.3      | 412     |               |          |         |
| AI STUD, 23-05 LISTED, 03-64                 |                                  | 138 | WITH HERD-MATES  | 289                    | 7,782               | 5.4      | 417     | 11            | 8,453    | 443     |
| STATES- 14,16,21,22,23,31,42, 55,58          |                                  | 24  | NDN-AI DAUGHTERS | 86                     | 9,453               | 5.4      | 508     | DIFF.         | 671-     | 26-     |
|  |                                  | 12  | WITH HERD-MATES  | 57                     | 9,247               | 5.3      | 489     | 21            | 9,581    | 506     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 334-     | 17-     |
| 514981                                       | CDURAGEDUS WM PENN.....          |     |                  |                        |                     |          |         |               |          |         |
| 05-02-49                                     | 413575 1198445                   | 203 | AI DAUGHTERS-25* | 466                    | 8,463               | 5.1      | 433     |               |          |         |
| AI STUD, 23-05 LISTED, 05-64                 |                                  | 196 | WITH HERD-MATES  | 448                    | 8,504               | 5.1      | 435     | 10            | 8,243    | 429     |
| STATES- 23,31,51,54                          |                                  |     |                  |                        |                     |          |         | DIFF.         | 261      | 6       |
| 516590                                       | SY8IL DREAMER FAIRY PRINCE.....  |     |                  |                        |                     |          |         |               |          |         |
| 04-11-48                                     | 389926 1343161                   | 48  | NDN-AI DAUGHTERS | 168                    | 8,985               | 5.4      | 484     |               |          |         |
| STATES- 11,13,14,21,55                       |                                  | 25  | WITH HERD-MATES  | 114                    | 9,173               | 5.3      | 485     | 22            | 9,272    | 479     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 99-      | 6       |
| 516857                                       | TEXAS GDL D STANDARD.....        |     |                  |                        |                     |          |         |               |          |         |
| 04-30-48                                     | 431562 1328444                   | 18  | AI DAUGHTERS-06  | 34                     | 6,867               | 5.0      | 342     |               |          |         |
| AI STUD, 71-01                               |                                  | 6   | WITH HERD-MATES  | 13                     | 6,719               | 5.0      | 335     | 12            | 7,314    | 372     |
| STATES- 71                                   |                                  |     |                  |                        |                     |          |         | DIFF.         | 595-     | 37-     |
| 517304                                       | OHIO WONDERFUL CONFIDANT.....    |     |                  |                        |                     |          |         |               |          |         |
| 03-19-49                                     | 448527 1251270                   | 8   | NDN-AI DAUGHTERS | 14                     | 5,983               | 5.3      | 318     |               |          |         |
| STATES- 31,33                                |                                  | 8   | WITH HERD-MATES  | 12                     | 6,073               | 5.3      | 322     | 6             | 7,182    | 370     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 1109-    | 48-     |
| 519399                                       | ZINNIA ADVANCER TOPFLIGHT.....   |     |                  |                        |                     |          |         |               |          |         |
| 08-30-48                                     | 462656 1443670                   | 40  | AI DAUGHTERS-22  | 65                     | 7,977               | 5.3      | 421     |               |          |         |
| AI STUD, 33-02 LISTED, 01-63                 |                                  | 39  | WITH HERD-MATES  | 63                     | 8,017               | 5.3      | 424     | 11            | 8,394    | 439     |
| STATES- 33,35,41,42,45                       |                                  | 26  | NDN-AI DAUGHTERS | 50                     | 7,028               | 5.3      | 373     | DIFF.         | 377-     | 15-     |
|  |                                  | 11  | WITH HERD-MATES  | 25                     | 6,305               | 5.0      | 316     | 9             | 7,353    | 380     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 1048-    | 64-     |
| 520539                                       | TRISTRAM 8ASIL 8ARDN.....        |     |                  |                        |                     |          |         |               |          |         |
| 05-01-49                                     | 435991 1324349                   | 56  | AI DAUGHTERS-25  | 76                     | 8,039               | 5.4      | 435     |               |          |         |
| AI STUD, 41-01 LISTED, 05-64                 |                                  | 52  | WITH HERD-MATES  | 71                     | 7,960               | 5.5      | 436     | 11            | 8,211    | 433     |
| STATES- 41,42,45                             |                                  | 27  | NDN-AI DAUGHTERS | 103                    | 6,653               | 5.3      | 353     | DIFF.         | 251-     | 3       |
|  |                                  | 23  | WITH HERD-MATES  | 80                     | 6,876               | 5.3      | 365     | 2             | 7,923    | 404     |
|  |                                  |     |                  |                        |                     |          |         | DIFF.         | 1047-    | 39-     |

## SIRE OF OHIA DAUGHTERS

| JERSEY   | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | OAU. FAT LB | ADJ. AV. MILK LB | HERO-MATES FAT LB | PREDICTED AV. MILK LB | AV. FAT LB |
|--|-------------|-----------------------|--------|-------------|------------------|-------------------|-----------------------|------------|
| 520847 BONCRIST ITASKA OREAMY BOY.....           |             |                       |        |             |                  |                   |                       |            |
| 09-08-49 487864 1593049 80 NON-AI DAUGHTERS      | 135         | 6,928                 | 5.2    | 361         |                  |                   |                       |            |
| LISTED, 03-64 71 WITH HERD-MATES                 | 112         | 7,021                 | 5.2    | 366         | 18               | 7,915             | 410                   |            |
| STATES- 15,16,21,22,23,33,51, 56,57,63,64,74     |             |                       |        |             | DIFF.            | 894-              | 44-                   |            |
| 521405 SIR CHALLENGER MONARCH.....               |             |                       |        |             |                  |                   |                       |            |
| 05-29-49 449269 1579914 10 AI DAUGHTERS-02       | 22          | 9,152                 | 5.9    | 537         |                  |                   |                       |            |
| AI STUO, 35-04 LISTED, 08-62 10 WITH HERD-MATES  | 21          | 9,180                 | 5.9    | 539         | 13               | 9,852             | 533                   | 7,844 424  |
| STATES- 91,93                                    |             |                       |        |             | DIFF.            | 672-              | 6                     |            |
| 23 NON-AI DAUGHTERS                              | 108         | 10,786                | 5.6    | 606         |                  |                   |                       |            |
| 19 WITH HERD-MATES                               | 101         | 11,108                | 5.6    | 622         | 11               | 10,160            | 558                   |            |
|  |             |                       |        |             | DIFF.            | 948               | 64                    |            |
| 524199 HIGH LAWN BISHOP.....                     |             |                       |        |             |                  |                   |                       |            |
| 02-11-50 473965 1285267 294 AI DAUGHTERS-25*     | 489         | 9,198                 | 4.8    | 445         |                  |                   |                       |            |
| AI STUO, 23-05 LISTED, 05-64 284 WITH HERD-MATES | 475         | 9,206                 | 4.9    | 447         | 18               | 8,706             | 454                   | 8,602 413  |
| STATES- 11,13,14,15,21,22,23, 50,52,54,55,63     |             |                       |        |             | DIFF.            | 500               | 7-                    |            |
| 38 NON-AI DAUGHTERS                              | 118         | 10,686                | 4.9    | 526         |                  |                   |                       |            |
| 27 WITH HERD-MATES                               | 92          | 10,342                | 5.0    | 519         | 33               | 9,809             | 523                   |            |
|  |             |                       |        |             | DIFF.            | 533               | 4-                    |            |
| 524654 ZINNIA ADVANCER VOLUNTEER.....            |             |                       |        |             |                  |                   |                       |            |
| 08-17-49 462656 1390635 61 AI DAUGHTERS-25*      | 76          | 7,215                 | 5.2    | 372         |                  |                   |                       |            |
| AI STUO, 51-02 LISTED, 05-64 58 WITH HERD-MATES  | 72          | 7,099                 | 5.2    | 369         | 14               | 7,793             | 402                   | 7,475 388  |
| STATES- 16,31,42,43,51,52,54, 55,56,64           |             |                       |        |             | DIFF.            | 694-              | 33-                   |            |
| 51 NON-AI DAUGHTERS                              | 156         | 7,893                 | 5.3    | 419         |                  |                   |                       |            |
| 25 WITH HERD-MATES                               | 102         | 8,653                 | 5.2    | 454         | 10               | 8,548             | 455                   |            |
|  |             |                       |        |             | DIFF.            | 105               | 1-                    |            |
| 525015 TEFFIA-S ROYAL JESTER.....                |             |                       |        |             |                  |                   |                       |            |
| 11-15-49 441200 1665282 61 NON-AI DAUGHTERS      | 111         | 8,874                 | 5.5    | 484         |                  |                   |                       |            |
| LISTED, 01-63 55 WITH HERD-MATES                 | 102         | 9,132                 | 5.4    | 496         | 14               | 9,268             | 505                   |            |
| STATES- 12,16,22,31,32,33,42, 48,52,58,74,87,92  |             |                       |        |             | DIFF.            | 136-              | 9-                    |            |
| 525627 MURRAY ROYAL DESIGN JEWELER.....          |             |                       |        |             |                  |                   |                       |            |
| 02-12-50 409653 1565130 164 AI DAUGHTERS-25*     | 355         | 9,069                 | 4.9    | 446         |                  |                   |                       |            |
| AI STUO, 61-01 LISTED, 05-64 156 WITH HERD-MATES | 342         | 9,117                 | 4.9    | 450         | 18               | 8,273             | 420                   | 8,862 444  |
| STATES- 57,58,61,63,65,92                        |             |                       |        |             | DIFF.            | 844               | 30                    |            |
| 34 NON-AI DAUGHTERS                              | 113         | 9,218                 | 4.8    | 441         |                  |                   |                       |            |
| 30 WITH HERD-MATES                               | 105         | 9,149                 | 4.8    | 435         | 14               | 8,349             | 421                   |            |
|  |             |                       |        |             | DIFF.            | 800               | 14                    |            |
| 526560 TWINKLE OXFORD MAJESTY O-S F.....         |             |                       |        |             |                  |                   |                       |            |
| 06-02-50 389488 1329036 29 NON-AI DAUGHTERS      | 75          | 8,991                 | 5.3    | 476         |                  |                   |                       |            |
| LISTED, 08-62 28 WITH HERD-MATES                 | 73          | 9,047                 | 5.3    | 478         | 78               | 9,395             | 495                   |            |
| STATES- 93                                       |             |                       |        |             | DIFF.            | 348-              | 17-                   |            |
| 526919 TRISTRAM SPARKLING CHALLENGER.....        |             |                       |        |             |                  |                   |                       |            |
| 08-26-49 435991 1636074 477 AI DAUGHTERS-25*     | 1207        | 8,883                 | 5.4    | 478         |                  |                   |                       |            |
| AI STUO, 23-08 LISTED, 03-64 452 WITH HERD-MATES | 1126        | 8,919                 | 5.4    | 481         | 12               | 8,462             | 443                   | 8,548 456  |
| STATES- 11,21,22,23,41,42,50, 51,55,56,57        |             |                       |        |             | DIFF.            | 457               | 38                    |            |
| 22 NON-AI DAUGHTERS                              | 65          | 7,146                 | 5.1    | 367         |                  |                   |                       |            |
| 21 WITH HERD-MATES                               | 58          | 7,265                 | 5.1    | 373         | 8                | 7,002             | 368                   |            |
|  |             |                       |        |             | DIFF.            | 263               | 5                     |            |
| 527917 COMMANDO STANDARD ADVANCER.....           |             |                       |        |             |                  |                   |                       |            |
| 04-15-50 493165 1586692 53 AI DAUGHTERS-25*      | 62          | 9,530                 | 4.7    | 451         |                  |                   |                       |            |
| AI STUO, 87-01 LISTED, 03-64 49 WITH HERD-MATES  | 57          | 9,612                 | 4.7    | 455         | 11               | 8,714             | 437                   | 8,836 432  |
| STATES- 82,87,91                                 |             |                       |        |             | DIFF.            | 898               | 18                    |            |
| 17 NON-AI DAUGHTERS                              | 59          | 9,854                 | 5.1    | 498         |                  |                   |                       |            |
| 17 WITH HERD-MATES                               | 59          | 9,854                 | 5.1    | 498         | 6                | 9,080             | 515                   |            |
|  |             |                       |        |             | DIFF.            | 774               | 17-                   |            |
| 528539 .....                                     |             |                       |        |             |                  |                   |                       |            |
| STATES- 31                                       | 5           | 7,984                 | 5.1    | 410         |                  |                   |                       |            |
| 4 WITH HERD-MATES                                | 11          | 8,055                 | 5.1    | 412         | 16               | 8,289             | 418                   |            |
|  |             |                       |        |             | DIFF.            | 234-              | 6-                    |            |
| 528639 .....                                     |             |                       |        |             |                  |                   |                       |            |
| STATES- 32                                       | 5           | 8,086                 | 4.7    | 376         |                  |                   |                       |            |
| 5 WITH HERD-MATES                                | 5           | 8,086                 | 4.7    | 376         | 3                | 8,912             | 471                   |            |
|  |             |                       |        |             | DIFF.            | 826-              | 95-                   |            |
| 529338 TRISTRAM WELCOME THUNDER.....             |             |                       |        |             |                  |                   |                       |            |
| 06-13-50 500929 1603465 21 NON-AI DAUGHTERS      | 37          | 7,849                 | 5.5    | 428         |                  |                   |                       |            |
| STATES- 31,32                                    | 35          | 7,804                 | 5.4    | 424         | 4                | 7,646             | 396                   |            |
|  |             |                       |        |             | DIFF.            | 158               | 28                    |            |
| 529382 .....                                     |             |                       |        |             |                  |                   |                       |            |
| STATES- 46                                       | 7           | 7,555                 | 5.7    | 430         |                  |                   |                       |            |
| 6 WITH HERD-MATES                                | 6           | 7,827                 | 5.5    | 431         | 6                | 8,427             | 475                   |            |
|  |             |                       |        |             | DIFF.            | 600-              | 44-                   |            |
| 530116 LILAC REMUS UNRIVALED GLYAN.....          |             |                       |        |             |                  |                   |                       |            |
| 09-21-50 409293 1594637 17 AI DAUGHTERS-14       | 17          | 8,082                 | 5.2    | 418         |                  |                   |                       |            |
| AI STUO, 35-75 LISTED, 08-62 16 WITH HERD-MATES  | 16          | 8,068                 | 5.2    | 419         | 25               | 8,451             | 430                   | 7,869 410  |
| STATES- 13,14,21,22,32,34,52, 55,57,58,82        |             |                       |        |             | DIFF.            | 383-              | 11-                   |            |
| 38 NON-AI DAUGHTERS                              | 116         | 9,557                 | 5.5    | 522         |                  |                   |                       |            |
| 26 WITH HERD-MATES                               | 91          | 9,964                 | 5.3    | 533         | 11               | 9,904             | 516                   |            |
|  |             |                       |        |             | DIFF.            | 60                | 17                    |            |
| 530529 ETTA OXFORD JESTER.....                   |             |                       |        |             |                  |                   |                       |            |
| 08-29-50 419965 1525342 49 NON-AI DAUGHTERS      | 65          | 7,127                 | 5.2    | 368         |                  |                   |                       |            |
| STATES- 31,58,64,86                              | 34          | 7,477                 | 5.2    | 388         | 16               | 8,426             | 425                   |            |
|  |             |                       |        |             | DIFF.            | 949-              | 37-                   |            |
| 531074 SIGNAL OXFORD SULTAN.....                 |             |                       |        |             |                  |                   |                       |            |
| 10-30-50 419248 1287233 24 AI DAUGHTERS-06       | 24          | 8,433                 | 4.8    | 407         |                  |                   |                       |            |
| AI STUO, 48-01 LISTED, 05-64 23 WITH HERD-MATES  | 23          | 8,520                 | 4.8    | 412         | 8                | 7,795             | 390                   | 8,520 428  |
| STATES- 47,48,74                                 |             |                       |        |             | DIFF.            | 725               | 22                    |            |
| 42 NON-AI DAUGHTERS                              | 120         | 8,870                 | 5.3    | 467         |                  |                   |                       |            |
| 32 WITH HERD-MATES                               | 93          | 8,930                 | 5.2    | 466         | 22               | 8,536             | 452                   |            |
|  |             |                       |        |             | DIFF.            | 394               | 14                    |            |



## SIRE OF OHIA DAUGHTERS

| JERSEY   | AV. PRODUCTION OF |       |      |     | AOJ.   | HERO-MATES | AV. | PREDICTED | AV. |
|--|-------------------|-------|------|-----|--------|------------|-----|-----------|-----|
|  | RECORDS           | MILK  | TEST | FAT | AV.    | MILK       | FAT | MILK      | FAT |
|  | NUMBER            | LB    | %    | LB  | NUMBER | LB         | LB  | LB        | LB  |
| 531342 JESTER BASIL DESIGN.....                  |                   |       |      |     |        |            |     |           |     |
| 03-10-50 448354 1512518 183 AI DAUGHTERS-25*     | 231               | 8,063 | 5.3  | 427 |        |            |     |           |     |
| AI STUO, 34-01 LISTED, 05-64 176 WITH HERD-MATES | 222               | 8,096 | 5.3  | 430 | 17     | 8,264      | 432 | 7,928     | 416 |
| STATES- 21,22,23,31,32,33,34,                    |                   |       |      |     | DIFF.  | 168-       | 2-  |           |     |
| 35,43,47,51,52,56,61,63,64,74                    | 134               | 8,307 | 5.2  | 436 |        |            |     |           |     |
| 50 NON-AI DAUGHTERS                              | 120               | 8,318 | 5.2  | 430 | 12     | 8,103      | 421 |           |     |
| 43 WITH HERD-MATES                               |                   |       |      |     | DIFF.  | 215        | 9   |           |     |
| 532068 BASIL WARD AIM.....                       |                   |       |      |     |        |            |     |           |     |
| 10-10-50 521994 1551141 12 NON-AI DAUGHTERS      | 13                | 5,718 | 4.9  | 280 |        |            |     |           |     |
| STATES- 63,64 3 WITH HERD-MATES                  | 3                 | 7,133 | 4.9  | 351 | 16     | 7,991      | 406 |           |     |
|  |                   |       |      |     | DIFF.  | 858-       | 55- |           |     |
| 532140 MASTERMAN STANOARD HERO.....              |                   |       |      |     |        |            |     |           |     |
| 08-04-50 431562 1324757 18 NON-AI DAUGHTERS      | 38                | 8,250 | 5.5  | 454 |        |            |     |           |     |
| STATES- 82,91,92 17 WITH HERD-MATES              | 36                | 8,216 | 5.5  | 450 | 10     | 8,537      | 467 |           |     |
|  |                   |       |      |     | DIFF.  | 321-       | 17- |           |     |
| 532704 LILAC REMUS UNRIVALEO OWL GANO.....       |                   |       |      |     |        |            |     |           |     |
| 12-04-50 409293 1507846 237 AI DAUGHTERS-25*     | 396               | 8,843 | 5.2  | 464 |        |            |     |           |     |
| AI STUO, 23-08 LISTED, 03-64 229 WITH HERD-MATES | 379               | 8,866 | 5.2  | 465 | 13     | 8,738      | 457 | 8,251     | 427 |
| STATES- 23,50,51,57                              |                   |       |      |     | DIFF.  | 128        | 8   |           |     |
|  | 13                | 9,670 | 5.1  | 491 |        |            |     |           |     |
| 13 WITH HERD-MATES                               | 50                | 9,670 | 5.1  | 491 | 8      | 9,412      | 474 |           |     |
|  |                   |       |      |     | DIFF.  | 258        | 17  |           |     |
| 533233 .....                                     |                   |       |      |     |        |            |     |           |     |
| 2 AI DAUGHTERS-01                                |                   |       |      |     |        |            |     |           |     |
| 2 WITH HERD-MATES                                |                   |       |      |     |        |            |     |           |     |
| AI STUO, 35-02                                   |                   |       |      |     |        |            |     |           |     |
| STATES- 35,93                                    |                   |       |      |     |        |            |     |           |     |
|  | 3                 | 8,077 | 5.6  | 450 |        |            |     |           |     |
| 2 WITH HERD-MATES                                | 3                 | 8,295 | 5.2  | 432 | 90     | 9,751      | 509 |           |     |
|  |                   |       |      |     | DIFF.  | 1456-      | 77- |           |     |
| 533918 QUECHEE ROYAL BASILEUS.....               |                   |       |      |     |        |            |     |           |     |
| 11-27-50 472611 1318761 20 NON-AI DAUGHTERS      | 40                | 7,377 | 4.9  | 365 |        |            |     |           |     |
| STATES- 13,21 14 WITH HERO-MATES                 | 33                | 7,671 | 4.8  | 366 | 14     | 8,287      | 409 |           |     |
|  |                   |       |      |     | DIFF.  | 616-       | 43- |           |     |
| 534585 ADVANCER SLEEPING JESTER.....             |                   |       |      |     |        |            |     |           |     |
| 02-23-51 488392 1424440 458 AI DAUGHTERS-25*     | 728               | 7,972 | 5.1  | 410 |        |            |     |           |     |
| AI STUO, 61-01 LISTED, 05-64 434 WITH HERD-MATES | 680               | 7,962 | 5.1  | 410 | 15     | 8,089      | 410 | 7,945     | 415 |
| STATES- 15,21,23,31,33,35,42,                    |                   |       |      |     | DIFF.  | 127-       |     |           |     |
| 43,52,55,56,58,61,63,64,65,73,                   | 40                | 8,437 | 5.1  | 434 |        |            |     |           |     |
| 74,86,93 35 WITH HERD-MATES                      | 118               | 8,731 | 5.1  | 448 | 13     | 8,496      | 434 |           |     |
|  |                   |       |      |     | DIFF.  | 235        | 14  |           |     |
| 534755 BRIGHAM VOLUNTEER HALLAM.....             |                   |       |      |     |        |            |     |           |     |
| 04-04-51 454316 1447844 116 AI DAUGHTERS-25*     | 221               | 9,091 | 5.1  | 465 |        |            |     |           |     |
| AI STUO, 52-01 LISTED, 05-64 111 WITH HERD-MATES | 210               | 9,042 | 5.1  | 465 | 23     | 8,433      | 437 | 8,647     | 443 |
| STATES- 23,51,52,54                              |                   |       |      |     | DIFF.  | 609        | 28  |           |     |
|  | 38                | 9,572 | 4.8  | 462 |        |            |     |           |     |
| 29 WITH HERD-MATES                               | 112               | 9,936 | 4.9  | 484 | 20     | 9,105      | 470 |           |     |
|  |                   |       |      |     | DIFF.  | 831        | 14  |           |     |
| 534758 BRIGHAM VOLUNTEER HERALD.....             |                   |       |      |     |        |            |     |           |     |
| 04-18-51 454316 1423940 134 AI DAUGHTERS-25*     | 244               | 8,517 | 5.1  | 435 |        |            |     |           |     |
| AI STUO, 23-05 LISTED, 05-64 126 WITH HERD-MATES | 225               | 8,590 | 5.1  | 439 | 10     | 8,364      | 437 | 8,299     | 420 |
| STATES- 23,31,54                                 |                   |       |      |     | DIFF.  | 226        | 2   |           |     |
| 535058 STANDARD DREAMING WAR BREAD.....          |                   |       |      |     |        |            |     |           |     |
| 02-06-51 488243 1552275 168 AI DAUGHTERS-25*     | 243               | 9,392 | 5.2  | 493 |        |            |     |           |     |
| AI STUO, 92-01 LISTED, 08-63 161 WITH HERO-MATES | 233               | 9,444 | 5.3  | 497 | 20     | 9,147      | 470 | 8,443     | 446 |
| STATES- 57,63,91,92                              |                   |       |      |     | DIFF.  | 297        | 27  |           |     |
|  | 48                | 9,427 | 5.3  | 503 |        |            |     |           |     |
| 47 WITH HERD-MATES                               | 111               | 9,457 | 5.3  | 504 | 33     | 9,117      | 475 |           |     |
|  |                   |       |      |     | DIFF.  | 340        | 29  |           |     |
| 535090 W R S GAMBOGE BEACON.....                 |                   |       |      |     |        |            |     |           |     |
| 11-01-50 511619 1693921 9 NON-AI DAUGHTERS       | 12                | 7,689 | 5.2  | 399 |        |            |     |           |     |
| LISTED, 11-63 9 WITH HERD-MATES                  | 12                | 7,689 | 5.2  | 399 | 9      | 7,881      | 407 |           |     |
| STATES- 31,32,33                                 |                   |       |      |     | DIFF.  | 192-       | 8-  |           |     |
| 535171 WELCOME CHOCOLATE SOLDIER.....            |                   |       |      |     |        |            |     |           |     |
| 04-09-51 399447 1360669 29 NON-AI DAUGHTERS      | 80                | 8,897 | 5.1  | 452 |        |            |     |           |     |
| STATES- 14,15,21,52 18 WITH HERD-MATES           | 61                | 9,294 | 5.0  | 467 | 20     | 8,959      | 463 |           |     |
|  |                   |       |      |     | DIFF.  | 335        | 4   |           |     |
| 535241 MASTERMAN STANOARD SUPER.....             |                   |       |      |     |        |            |     |           |     |
| 02-05-51 431562 1503354 29 AI DAUGHTERS-06       | 49                | 7,462 | 5.1  | 378 |        |            |     |           |     |
| AI STUO, 63-03 LISTED, 01-63 28 WITH HERD-MATES  | 48                | 7,628 | 5.1  | 386 | 14     | 7,667      | 376 | 8,011     | 420 |
| STATES- 63,64,65                                 |                   |       |      |     | DIFF.  | 39-        | 10  |           |     |
|  | 1                 | 2,660 | 5.6  | 148 |        |            |     |           |     |
| 535429 JESTER STANDARD-S MOLLY BORN.....         |                   |       |      |     |        |            |     |           |     |
| 04-05-47 010087357 010078618 50 AI DAUGHTERS-25* | 97                | 7,359 | 5.1  | 376 |        |            |     |           |     |
| AI STUO, 63-01 LISTED, 08-62 35 WITH HERO-MATES  | 68                | 7,594 | 5.1  | 384 | 11     | 7,852      | 394 | 7,860     | 407 |
| STATES- 56,57,63                                 |                   |       |      |     | DIFF.  | 258-       | 10- |           |     |
| 537169 TRISTRAM OBSERVER.....                    |                   |       |      |     |        |            |     |           |     |
| 11-15-50 435991 1449167 26 NON-AI DAUGHTERS      | 58                | 9,043 | 5.8  | 522 |        |            |     |           |     |
| AI STUO, 12-03 LISTED, 05-64 17 WITH HERD-MATES  | 45                | 9,144 | 5.8  | 526 | 13     | 9,382      | 502 |           |     |
| STATES- 11,13,14,16,21,64                        |                   |       |      |     | DIFF.  | 238-       | 24  |           |     |
| 537225 PEPPER-S UNRIVALEO REMUS JACKIE.....      |                   |       |      |     |        |            |     |           |     |
| 10-20-50 491730 1629054 24 NON-AI DAUGHTERS      | 56                | 8,007 | 5.3  | 427 |        |            |     |           |     |
| LISTED, 08-62 21 WITH HERD-MATES                 | 53                | 7,874 | 5.4  | 425 | 10     | 8,135      | 433 |           |     |
| STATES- 22,23,31                                 |                   |       |      |     | DIFF.  | 261-       | 8-  |           |     |
| 537965 ADVANCER JESTER DRACONIS BURT.....        |                   |       |      |     |        |            |     |           |     |
| 03-23-51 528379 1517152 14 NON-AI DAUGHTERS      | 34                | 7,203 | 5.1  | 364 |        |            |     |           |     |
| STATES- 74 11 WITH HERD-MATES                    | 25                | 7,322 | 5.0  | 368 | 11     | 7,008      | 365 |           |     |
|  |                   |       |      |     | DIFF.  | 314        | 3   |           |     |

| SIRE OF DHIA DAUGHTERS                               |                                      |           |     | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--|--------------------------------------|-----------|-----|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
| JERSEY   |                                      |           |     | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 538182   | C & H CECIL RAMBLER.....             |           |     |                        |            |           |           |                     |            |           |               |           |
| 08-31-51   | 450389                               | 1626809   | 1   | AI DAUGHTERS-01        |            |           |           |                     |            |           |               |           |
| AI STUD, 93-05                                       | LISTED, 05-64                        |           | 1   | WITH HERD-MATES        |            |           |           |                     |            |           |               |           |
| STATES- 88   |                                      |           |     |                        |            |           |           |                     |            |           |               |           |
|  |                                      |           | 34  | NON-AI DAUGHTERS       | 94         | 10,122    | 5.1       | 519                 |            |           |               |           |
|  |                                      |           | 30  | WITH HERD-MATES        | 85         | 10,165    | 5.1       | 517                 | 28         | 9,933     | 524           | 7-        |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 232       |               |           |
| 538449   | REMUS UNRIVALED KING.....            |           |     |                        |            |           |           |                     |            |           |               |           |
| 01-10-51   | 500215                               | 1638584   | 36  | NON-AI DAUGHTERS       | 163        | 9,751     | 5.3       | 514                 |            |           |               |           |
| STATES- 34   |                                      |           | 36  | WITH HERD-MATES        | 153        | 9,799     | 5.3       | 517                 | 8          | 8,910     | 471           | 46        |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 889       |               |           |
| 538707   | FILLPAIL DESIGNING BASIL JESTER..... |           |     |                        |            |           |           |                     |            |           |               |           |
| 08-03-51   | 448354                               | 1246448   | 18  | NON-AI DAUGHTERS       | 37         | 9,482     | 5.4       | 508                 |            |           |               |           |
| STATES- 56,58  |                                      |           | 8   | WITH HERD-MATES        | 17         | 10,383    | 5.3       | 547                 | 50         | 9,694     | 514           | 33        |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 689       |               |           |
| 538887   | BRAMPTON B. P. VALLEY.....           |           |     |                        |            |           |           |                     |            |           |               |           |
| 01-29-51   | 010104635                            | 010189611 | 36  | NDN-AI DAUGHTERS       | 100        | 8,204     | 5.1       | 419                 |            |           |               |           |
| STATES- 31,32,58                                     |                                      |           | 24  | WITH HERD-MATES        | 73         | 8,410     | 5.2       | 435                 | 12         | 8,693     | 449           | 14-       |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 283-      |               |           |
| 539169   | LILAC LAD-S LED.....                 |           |     |                        |            |           |           |                     |            |           |               |           |
| 05-29-50   | 455845                               | 1579906   | 42  | NDN-AI DAUGHTERS       | 103        | 7,812     | 5.6       | 438                 |            |           |               |           |
| AI STUD, 93-05                                       | LISTED, 08-62                        |           | 40  | WITH HERD-MATES        | 90         | 7,834     | 5.6       | 442                 | 7          | 8,321     | 444           | 2-        |
| STATES- 82,87,91                                     |                                      |           |     |                        |            |           |           |                     | DIFF.      | 487-      |               |           |
| 539172   | LILAC LAD-S NOBLE REX.....           |           |     |                        |            |           |           |                     |            |           |               |           |
| 10-13-50   | 455845                               | 1579902   | 52  | NDN-AI DAUGHTERS       | 127        | 7,289     | 5.8       | 426                 |            |           |               |           |
| STATES- 54   |                                      |           | 44  | WITH HERD-MATES        | 108        | 7,360     | 5.9       | 431                 | 12         | 7,753     | 431           |           |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 393-      |               |           |
| 539255   | BRIGHAM REX HADDON.....              |           |     |                        |            |           |           |                     |            |           |               |           |
| 10-02-51   | 471121                               | 1169148   | 53  | NDN-AI DAUGHTERS       | 138        | 8,257     | 5.2       | 429                 |            |           |               |           |
| STATES- 21   | LISTED, 01-63                        |           | 39  | WITH HERD-MATES        | 100        | 8,330     | 5.2       | 429                 | 7          | 8,187     | 415           | 14        |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 143       |               |           |
| 539621   | REMUS SALUTE-S CHIEF.....            |           |     |                        |            |           |           |                     |            |           |               |           |
| 03-10-51   | 431200                               | 1479089   | 35  | NON-AI DAUGHTERS       | 70         | 9,520     | 5.7       | 545                 |            |           |               |           |
| STATES- 21,55  | LISTED, 08-63                        |           | 31  | WITH HERD-MATES        | 62         | 9,705     | 5.7       | 557                 | 23         | 8,956     | 508           | 49        |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 749       |               |           |
| 539649   | APNA VILLA ADVOLSTAND.....           |           |     |                        |            |           |           |                     |            |           |               |           |
| 07-10-51   | 524581                               | 1602564   | 30  | NON-AI DAUGHTERS       | 96         | 8,488     | 5.3       | 452                 |            |           |               |           |
| AI STUD, 72-01                                       | LISTED, 05-64                        |           | 27  | WITH HERD-MATES        | 93         | 8,825     | 5.3       | 468                 | 19         | 7,837     | 424           | 44        |
| STATES- 72   |                                      |           |     |                        |            |           |           |                     | DIFF.      | 988       |               |           |
| 539849   | REDMOND PRIDE-S DOUBLE CHIEF.....    |           |     |                        |            |           |           |                     |            |           |               |           |
| 08-27-51   | 517007                               | 1738986   | 35  | NON-AI DAUGHTERS       | 109        | 8,741     | 5.7       | 495                 |            |           |               |           |
| STATES- 91   |                                      |           | 35  | WITH HERD-MATES        | 109        | 8,741     | 5.7       | 495                 | 8          | 8,767     | 497           | 2-        |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 26-       |               |           |
| 540061   | VOLUNTEER SYBIL 808.....             |           |     |                        |            |           |           |                     |            |           |               |           |
| 04-11-51   | 496363                               | 1542666   | 106 | AI DAUGHTERS-25*       | 174        | 8,271     | 5.4       | 445                 |            |           |               |           |
| AI STUD, 12-03                                       | LISTED, 05-64                        |           | 106 | WITH HERD-MATES        | 171        | 8,266     | 5.4       | 445                 | 16         | 8,957     | 463           | 7,530 404 |
| STATES- 12,13,14,21                                  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 691-      | 18-           |           |
|  |                                      |           | 13  | NON-AI DAUGHTERS       | 24         | 8,468     | 5.1       | 434                 |            |           |               |           |
|  |                                      |           | 10  | WITH HERD-MATES        | 19         | 7,549     | 4.9       | 369                 | 6          | 8,042     | 406           |           |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 493-      | 37-           |           |
| 540265   | TRISTRAM STANDARD LORD.....          |           |     |                        |            |           |           |                     |            |           |               |           |
| 08-25-51   | 435991                               | 1606219   | 64  | AI DAUGHTERS-25*       | 78         | 8,849     | 5.4       | 477                 |            |           |               |           |
| AI STUD, 16-04                                       | LISTED, 08-63                        |           | 60  | WITH HERD-MATES        | 73         | 8,794     | 5.4       | 473                 | 12         | 8,974     | 475           | 7,992 419 |
| STATES- 11,12,13,14,16,21                            |                                      |           |     |                        |            |           |           |                     | DIFF.      | 180-      | 2-            |           |
|  |                                      |           | 65  | NON-AI DAUGHTERS       | 125        | 8,938     | 5.3       | 472                 |            |           |               |           |
|  |                                      |           | 56  | WITH HERD-MATES        | 111        | 8,915     | 5.3       | 470                 | 13         | 8,762     | 456           |           |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 153       | 14            |           |
| 540688   | BRAMPTON JESTER MASTERMAN AIM.....   |           |     |                        |            |           |           |                     |            |           |               |           |
| 10-10-51   | 448354                               | 1639601   | 13  | NDN-AI DAUGHTERS       | 16         | 8,228     | 5.3       | 437                 |            |           |               |           |
| STATES- 57,64  | LISTED, 11-63                        |           | 13  | WITH HERD-MATES        | 16         | 8,228     | 5.3       | 437                 | 19         | 7,779     | 405           | 32        |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 449       |               |           |
| 540908   | ZINNIA-S CORALAD.....                |           |     |                        |            |           |           |                     |            |           |               |           |
| 05-04-50   | 496743                               | 1252729   | 47  | AI DAUGHTERS-22        | 60         | 8,623     | 4.9       | 426                 |            |           |               |           |
| AI STUD, 35-05                                       | LISTED, 08-63                        |           | 47  | WITH HERD-MATES        | 60         | 8,623     | 4.9       | 426                 | 14         | 8,301     | 427           | 8,339 416 |
| STATES- 14,23,35,41,42,43,57,63,65,82,86,88,91,92,93 |                                      |           | 48  | NDN-AI DAUGHTERS       | 134        | 9,828     | 5.3       | 524                 | DIFF.      | 322       | 1-            |           |
|  |                                      |           | 41  | WITH HERD-MATES        | 115        | 9,851     | 5.3       | 523                 | 15         | 9,169     | 488           |           |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 682       | 35            |           |
| 541038   | BEACON PINN BASILEUS.....            |           |     |                        |            |           |           |                     |            |           |               |           |
| 11-02-51   | 010111595                            | 1503797   | 18  | NON-AI DAUGHTERS       | 34         | 10,100    | 5.1       | 511                 |            |           |               |           |
| STATES- 63,65  | LISTED, 08-62                        |           | 18  | WITH HERD-MATES        | 34         | 10,100    | 5.1       | 511                 | 8          | 8,669     | 455           | 56        |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 1431      |               |           |
| 541471   | .....                                |           |     |                        |            |           |           |                     |            |           |               |           |
| STATES- 65,71  |                                      |           | 5   | NON-AI DAUGHTERS       | 7          | 7,399     | 4.4       | 322                 |            |           |               |           |
|  |                                      |           | 5   | WITH HERD-MATES        | 7          | 7,399     | 4.4       | 322                 | 13         | 8,149     | 365           | 43-       |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 750-      |               |           |
| 541512   | SPARKLING NOBLE CHIEF.....           |           |     |                        |            |           |           |                     |            |           |               |           |
| 08-16-51   | 473472                               | 1445486   | 20  | AI DAUGHTERS-08        | 23         | 7,317     | 5.0       | 367                 |            |           |               |           |
| AI STUD, 71-01                                       | LISTED, 08-63                        |           | 19  | WITH HERD-MATES        | 21         | 7,485     | 5.0       | 377                 | 15         | 7,777     | 392           | 7,870 406 |
| STATES- 43,48,71                                     |                                      |           |     |                        |            |           |           |                     | DIFF.      | 292-      | 15-           |           |
|  |                                      |           | 8   | NON-AI DAUGHTERS       | 19         | 6,713     | 5.7       | 380                 |            |           |               |           |
|  |                                      |           | 5   | WITH HERD-MATES        | 14         | 6,983     | 5.6       | 392                 | 17         | 7,356     | 408           | 16-       |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 373-      |               |           |
| 541547   | CROPPER PEARL DESIGN LAD.....        |           |     |                        |            |           |           |                     |            |           |               |           |
| 04-19-51   | 474745                               | 1592841   | 21  | NDN-AI DAUGHTERS       | 45         | 6,879     | 5.0       | 341                 |            |           |               |           |
| STATES- 61   |                                      |           | 16  | WITH HERD-MATES        | 39         | 7,406     | 5.0       | 368                 | 5          | 7,859     | 387           | 19-       |
|  |                                      |           |     |                        |            |           |           |                     | DIFF.      | 453-      |               |           |

## SIRE OF DHIA DAUGHTERS

| JERSEY                         |                                    |     |                  | AV. RECORDS<br>NUMBER | PRODUCTION<br>MILK L8 | OF TEST<br>% | DAU.<br>FAT L8 | ADJ. AV.<br>NUMBER | HERD-MATES<br>MILK L8 | AV. FAT<br>L8 | PREDICTED<br>MILK L8 | AV. FAT<br>L8 |
|--------------------------------|------------------------------------|-----|------------------|-----------------------|-----------------------|--------------|----------------|--------------------|-----------------------|---------------|----------------------|---------------|
| 541677                         | BASIL OREAMER.....                 |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
| 11-27-51                       | 461655 1470129                     | 15  | NDN-AI DAUGHTERS | 20                    | 7,263                 | 4.9          | 359            |                    |                       |               |                      |               |
|                                | LISTED, D3-64                      | 15  | WITH HERD-MATES  | 20                    | 7,263                 | 4.9          | 359            | 15                 | 7,873                 | 407           |                      |               |
|                                | STATES- 31,92                      |     |                  |                       |                       |              |                | DIFF.              | 610-                  | 48-           |                      |               |
| 541681                         | SIGNAL SABLE-S KNIGHT.....         |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
| 10-25-51                       | 419248 1556824                     | 48  | AI DAUGHTERS-24  | 67                    | 8,711                 | 5.0          | 433            |                    |                       |               |                      |               |
| AI STUD, 31-01                 | LISTED, 08-63                      | 46  | WITH HERD-MATES  | 65                    | 8,627                 | 5.0          | 430            | 20                 | 8,366                 | 418           | 8,296                | 425           |
| STATES- 13,31,58,65,73,74,85,  |                                    |     |                  |                       |                       |              |                | DIFF.              | 261                   | 12            |                      |               |
| 88,92                          |                                    | 25  | NDN-AI DAUGHTERS | 64                    | 8,790                 | 5.4          | 472            |                    |                       |               |                      |               |
|                                |                                    | 23  | WITH HERD-MATES  | 58                    | 8,929                 | 5.3          | 473            | 12                 | 9,082                 | 476           |                      |               |
|                                |                                    |     |                  |                       |                       |              |                | DIFF.              | 153-                  | 3-            |                      |               |
| 541866                         | GEM-S DANQY ADVANCER.....          |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
| 01-07-52                       | 493509 1423802                     | 222 | AI DAUGHTERS-25* | 229                   | 8,373                 | 5.2          | 434            |                    |                       |               |                      |               |
| AI STUD, 35-75                 | LISTED, 05-64                      | 218 | WITH HERD-MATES  | 224                   | 8,385                 | 5.2          | 435            | 25                 | 8,311                 | 420           | 8,158                | 430           |
| STATES- 12,13,21,23,31,32,33,  |                                    |     |                  |                       |                       |              |                | DIFF.              | 74                    | 15            |                      |               |
| 34,35,41,48,55,56,57,58,64,65, |                                    | 28  | NDN-AI DAUGHTERS | 84                    | 9,696                 | 5.5          | 538            |                    |                       |               |                      |               |
| 71,73,74,82,84,87,91,92,93     |                                    | 23  | WITH HERD-MATES  | 75                    | 9,576                 | 5.6          | 533            | 14                 | 9,075                 | 487           |                      |               |
|                                |                                    |     |                  |                       |                       |              |                | DIFF.              | 501                   | 46            |                      |               |
| 541905                         | BRAMPTON 8. P. FARMER.....         |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
| 05-05-51                       | 010104635 010189585                | 27  | AI DAUGHTERS-19  | 27                    | 7,347                 | 5.2          | 382            |                    |                       |               |                      |               |
| AI STUD, 34-01                 | LISTED, 05-64                      | 26  | WITH HERD-MATES  | 26                    | 7,423                 | 5.2          | 387            | 15                 | 7,962                 | 416           | 7,693                | 396           |
| STATES- 21,31,34,51,61,63,65   |                                    |     |                  |                       |                       |              |                | DIFF.              | 539-                  | 29-           |                      |               |
|                                |                                    | 39  | NDN-AI DAUGHTERS | 71                    | 8,220                 | 5.2          | 431            |                    |                       |               |                      |               |
|                                |                                    | 22  | WITH HERD-MATES  | 43                    | 7,661                 | 5.2          | 399            | 14                 | 8,539                 | 436           |                      |               |
|                                |                                    |     |                  |                       |                       |              |                | DIFF.              | 878-                  | 37-           |                      |               |
| 542059                         | JUNE VOLUNTEER CORDNATR CAP.....   |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
| 02-02-52                       | 495636 1469969                     | 258 | AI DAUGHTERS-25* | 529                   | 9,231                 | 5.0          | 457            |                    |                       |               |                      |               |
| AI STUD, 92-01                 | LISTED, 05-64                      | 233 | WITH HERD-MATES  | 480                   | 9,330                 | 5.0          | 462            | 20                 | 8,994                 | 466           | 8,474                | 417           |
| STATES- 82,91,92               |                                    |     |                  |                       |                       |              |                | DIFF.              | 336                   | 4-            |                      |               |
| 542575                         | SPARKLING ROYAL PDMPPOUS.....      |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
| 04-29-51                       | 510736 1635122                     | 14  | NON-AI DAUGHTERS | 29                    | 5,553                 | 5.3          | 293            |                    |                       |               |                      |               |
|                                | LISTED, D8-62                      | 14  | WITH HERD-MATES  | 29                    | 5,553                 | 5.3          | 293            | 6                  | 7,669                 | 384           |                      |               |
| STATES- 42                     |                                    |     |                  |                       |                       |              |                | DIFF.              | 2116-                 | 91-           |                      |               |
| 543278                         | TRISTRAM GALLANT.....              |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
| D3-04-52                       | 500929 1556664                     | 12  | NDN-AI DAUGHTERS | 12                    | 9,253                 | 5.7          | 526            |                    |                       |               |                      |               |
|                                | LISTED, 11-63                      | 10  | WITH HERD-MATES  | 10                    | 9,629                 | 5.6          | 540            | 9                  | 8,164                 | 452           |                      |               |
| STATES- 42,46                  |                                    |     |                  |                       |                       |              |                | DIFF.              | 1465                  | 88            |                      |               |
| 543429                         | BLONDE-S GOLDEN LAD JR.....        |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
| D6-02-51                       | 496820 1487879                     | 8   | AI DAUGHTERS-05  | 8                     | 10,065                | 5.3          | 533            |                    |                       |               |                      |               |
| AI STUD, 93-01                 | LISTED, D5-64                      | 8   | WITH HERD-MATES  | 8                     | 10,065                | 5.3          | 533            | 31                 | 10,314                | 546           | 8,056                | 416           |
| STATES- 31,32,58,61,93         |                                    |     |                  |                       |                       |              |                | DIFF.              | 249-                  | 13-           |                      |               |
|                                |                                    | 30  | NDN-AI DAUGHTERS | 65                    | 8,580                 | 5.2          | 444            |                    |                       |               |                      |               |
|                                |                                    | 27  | WITH HERD-MATES  | 54                    | 8,645                 | 5.2          | 447            | 7                  | 9,042                 | 458           |                      |               |
|                                |                                    |     |                  |                       |                       |              |                | DIFF.              | 397-                  | 11-           |                      |               |
| 543973                         | FAMOUS CLOUD SAM.....              |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
| 08-15-51                       | 458296 1034406                     | 19  | AI DAUGHTERS-06  | 26                    | 7,551                 | 5.1          | 383            |                    |                       |               |                      |               |
| AI STUD, 71-01                 | LISTED, 08-63                      | 19  | WITH HERD-MATES  | 26                    | 7,551                 | 5.1          | 383            | 13                 | 7,721                 | 388           | 7,942                | 411           |
| STATES- 71                     |                                    |     |                  |                       |                       |              |                | DIFF.              | 170-                  | 5-            |                      |               |
| 544017                         | SUCCESSOR SYBIL SUPREME.....       |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
| 12-29-51                       | 470946 1675799                     | 42  | NDN-AI DAUGHTERS | 77                    | 8,683                 | 5.3          | 462            |                    |                       |               |                      |               |
|                                | LISTED, 08-62                      | 28  | WITH HERD-MATES  | 57                    | 9,067                 | 5.3          | 483            | 23                 | 8,770                 | 459           |                      |               |
| STATES- 22,51,52               |                                    |     |                  |                       |                       |              |                | DIFF.              | 297                   | 24            |                      |               |
| 544287                         | SIGNAL WELCDME ASTDR.....          |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
| 09-14-51                       | 419248 1525643                     | 474 | AI DAUGHTERS-25* | 881                   | 9,179                 | 5.4          | 492            |                    |                       |               |                      |               |
| AI STUD, 91-01                 | LISTED, 05-64                      | 442 | WITH HERD-MATES  | 818                   | 9,175                 | 5.4          | 494            | 12                 | 8,845                 | 474           | 8,462                | 441           |
| STATES- 43,81,82,91,92         |                                    |     |                  |                       |                       |              |                | DIFF.              | 330                   | 20            |                      |               |
| 544381                         | .....                              |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
|                                |                                    | 30  | NDN-AI DAUGHTERS | 69                    | 7,133                 | 5.0          | 355            |                    |                       |               |                      |               |
| STATES- 22,31,33,57,65,74,87   |                                    | 28  | WITH HERD-MATES  | 59                    | 7,263                 | 5.1          | 367            | 10                 | 7,366                 | 365           |                      |               |
|                                |                                    |     |                  |                       |                       |              |                | DIFF.              | 103-                  | 2             |                      |               |
| 544523                         | DESIGNS OREAMING VICTDR.....       |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
| 11-05-51                       | 489295 1605865                     | 57  | AI DAUGHTERS-25* | 80                    | 8,416                 | 5.1          | 431            |                    |                       |               |                      |               |
| AI STUD, 41-01                 | LISTED, D5-64                      | 47  | WITH HERD-MATES  | 64                    | 8,234                 | 5.3          | 434            | 11                 | 7,800                 | 414           | 8,388                | 432           |
| STATES- 41,42,45,46,51         |                                    |     |                  |                       |                       |              |                | DIFF.              | 434                   | 20            |                      |               |
|                                |                                    | 13  | NDN-AI DAUGHTERS | 21                    | 7,887                 | 5.4          | 429            |                    |                       |               |                      |               |
|                                |                                    | 11  | WITH HERD-MATES  | 17                    | 7,519                 | 5.5          | 416            | 3                  | 7,150                 | 381           |                      |               |
|                                |                                    |     |                  |                       |                       |              |                | DIFF.              | 369                   | 35            |                      |               |
| 544694                         | .....                              |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
|                                |                                    | 5   | NDN-AI DAUGHTERS | 6                     | 6,810                 | 4.8          | 330            |                    |                       |               |                      |               |
| STATES- 34,35,71,74            |                                    | 5   | WITH HERD-MATES  | 6                     | 6,810                 | 4.8          | 330            | 17                 | 7,322                 | 386           |                      |               |
|                                |                                    |     |                  |                       |                       |              |                | DIFF.              | 512-                  | 56-           |                      |               |
| 544965                         | .....                              |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
|                                |                                    | 5   | NDN-AI DAUGHTERS | 6                     | 11,325                | 5.7          | 642            |                    |                       |               |                      |               |
| STATES- 92                     |                                    | 5   | WITH HERD-MATES  | 6                     | 11,325                | 5.7          | 642            | 11                 | 10,670                | 577           |                      |               |
|                                |                                    |     |                  |                       |                       |              |                | DIFF.              | 655                   | 65            |                      |               |
| 545007                         | .....                              |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
|                                |                                    | 6   | NDN-AI DAUGHTERS | 6                     | 5,488                 | 4.6          | 250            |                    |                       |               |                      |               |
| STATES- 65                     |                                    | 6   | WITH HERD-MATES  | 6                     | 5,488                 | 4.6          | 250            | 11                 | 5,822                 | 259           |                      |               |
|                                |                                    |     |                  |                       |                       |              |                | DIFF.              | 334-                  | 9-            |                      |               |
| 545078                         | GREENBELT-S ROYAL MARY-S KING..... |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
| 01-01-52                       | 432667 1568973                     | 2   | AI DAUGHTERS-02  |                       |                       |              |                |                    |                       |               |                      |               |
| AI STUD, 35-75                 | LISTED, 05-64                      | 2   | WITH HERD-MATES  |                       |                       |              |                |                    |                       |               |                      |               |
| STATES- 55,58,73               |                                    |     |                  |                       |                       |              |                |                    |                       |               |                      |               |
|                                |                                    | 37  | NDN-AI DAUGHTERS | 97                    | 8,955                 | 4.8          | 431            |                    |                       |               |                      |               |
|                                |                                    | 35  | WITH HERD-MATES  | 92                    | 9,072                 | 4.8          | 438            | 10                 | 8,616                 | 428           |                      |               |
|                                |                                    |     |                  |                       |                       |              |                | DIFF.              | 456                   | 10            |                      |               |



## SIRE OF DHIA DAUGHTERS

| JERSEY   | AV. RECORDS | PRDUCTION MILK LB | DF TEST % | DAU. FAT LB | ADJ. AV. MILK LB | HERD-MATES FAT LB | AV. MILK LB | PREDICTED MILK LB | AV. FAT LB |
|--|-------------|-------------------|-----------|-------------|------------------|-------------------|-------------|-------------------|------------|
| 545259 BROOK FARM-S JUNIOR ACE.....                        |             |                   |           |             |                  |                   |             |                   |            |
| 11-04-50 521175 1574620 38 NON-AI DAUGHTERS                | 85          | 8,283             | 5.1       | 420         |                  |                   |             |                   |            |
| LISTED, 01-63 32 WITH HERD-MATES                           | 68          | 8,433             | 5.1       | 429         | 11               | 8,651             | 436         |                   |            |
| STATES- 13   |             |                   |           |             | DIFF.            | 218-              | 7-          |                   |            |
| 545611 MORDCCD BASIL GENERAL.....                          |             |                   |           |             |                  |                   |             |                   |            |
| 11-22-50 523712 1695680 9 NON-AI DAUGHTERS                 | 20          | 9,452             | 4.9       | 463         |                  |                   |             |                   |            |
| STATES- 32 8 WITH HERD-MATES                               | 17          | 9,443             | 4.9       | 459         | 8                | 9,262             | 476         |                   |            |
|  |             |                   |           |             | DIFF.            | 181               | 17-         |                   |            |
| 545654 SUNSHINE VALIANT MASTERMAN.....                     |             |                   |           |             |                  |                   |             |                   |            |
| 12-07-51 488698 1496888 49 NON-AI DAUGHTERS                | 54          | 6,201             | 5.2       | 322         |                  |                   |             |                   |            |
| LISTED, 03-64 49 WITH HERD-MATES                           | 54          | 6,201             | 5.2       | 322         | 44               | 6,575             | 330         |                   |            |
| STATES- 73   |             |                   |           |             | DIFF.            | 374-              | 8-          |                   |            |
| 545791 .....   |             |                   |           |             |                  |                   |             |                   |            |
| STATES- 21 5 NON-AI DAUGHTERS                              | 6           | 5,462             | 5.2       | 284         |                  |                   |             |                   |            |
| 2 WITH HERD-MATES  | 3           | 6,650             | 4.9       | 329         | 4                | 6,598             | 346         |                   |            |
|  |             |                   |           |             | DIFF.            | 52                | 17-         |                   |            |
| 545950 STANDARD DREAMING SIR DUSTAN.....                   |             |                   |           |             |                  |                   |             |                   |            |
| 06-23-52 488243 1603821 50 NON-AI DAUGHTERS                | 107         | 7,867             | 5.4       | 422         |                  |                   |             |                   |            |
| LISTED, 01-63 44 WITH HERD-MATES                           | 101         | 8,047             | 5.3       | 429         | 26               | 8,731             | 452         |                   |            |
| STATES- 63,92  |             |                   |           |             | DIFF.            | 684-              | 23-         |                   |            |
| 546137 BRUCE WESTFIELD CHERRY NOBLE.....                   |             |                   |           |             |                  |                   |             |                   |            |
| 05-29-51 460497 1402851 114 AI DAUGHTERS-25*               | 157         | 9,645             | 5.4       | 518         |                  |                   |             |                   |            |
| AI STUO, 16-04 LISTED, 05-64 104 WITH HERD-MATES           | 145         | 9,781             | 5.4       | 525         | 13               | 8,877             | 467         | 8,943             | 472        |
| STATES- 11,13,14,15,16,21                                  |             |                   |           |             | DIFF.            | 904               | 58          |                   |            |
|  |             |                   |           |             |                  |                   |             |                   |            |
| 14 NON-AI DAUGHTERS  | 38          | 8,778             | 5.3       | 468         |                  |                   |             |                   |            |
| 13 WITH HERD-MATES   | 35          | 8,764             | 5.3       | 466         | 10               | 7,941             | 420         |                   |            |
|  |             |                   |           |             | DIFF.            | 823               | 46          |                   |            |
| 546917 BLONOE ADVANCER BART LAO.....                       |             |                   |           |             |                  |                   |             |                   |            |
| 09-11-51 469101 1380244 22 AI DAUGHTERS-11                 | 53          | 7,225             | 5.5       | 395         |                  |                   |             |                   |            |
| AI STUO, 35-02 LISTED, 05-64 22 WITH HERD-MATES            | 53          | 7,225             | 5.5       | 395         | 12               | 7,728             | 408         | 7,722             | 407        |
| STATES- 35,42  |             |                   |           |             | DIFF.            | 503-              | 13-         |                   |            |
| 547076 FILL ROYAL DESIGN.....                              |             |                   |           |             |                  |                   |             |                   |            |
| 01-03-52 488643 1557087 8 NON-AI DAUGHTERS                 | 9           | 7,360             | 4.8       | 355         |                  |                   |             |                   |            |
| LISTED, 03-64 8 WITH HERD-MATES                            | 9           | 7,360             | 4.8       | 355         | 103              | 8,273             | 398         |                   |            |
| STATES- 65   |             |                   |           |             | DIFF.            | 913-              | 43-         |                   |            |
| 547448 BASIL BINDLE JESTER.....                            |             |                   |           |             |                  |                   |             |                   |            |
| 04-15-52 516068 1349213 23 NON-AI DAUGHTERS                | 26          | 7,140             | 5.3       | 379         |                  |                   |             |                   |            |
| LISTED, 11-63 23 WITH HERD-MATES                           | 26          | 7,140             | 5.3       | 379         | 16               | 7,260             | 385         |                   |            |
| STATES- 23,31  |             |                   |           |             | DIFF.            | 120-              | 6-          |                   |            |
| 547852 .....   |             |                   |           |             |                  |                   |             |                   |            |
| STATES- 55,64 5 NON-AI DAUGHTERS                           | 8           | 7,795             | 5.5       | 426         |                  |                   |             |                   |            |
| 5 WITH HERD-MATES  | 8           | 7,795             | 5.5       | 426         | 26               | 8,143             | 428         |                   |            |
|  |             |                   |           |             | DIFF.            | 348-              | 2-          |                   |            |
| 548159 TOREADOR BASIL TOREADOR.....                        |             |                   |           |             |                  |                   |             |                   |            |
| 12-04-51 504051 1665433 30 NON-AI DAUGHTERS                | 52          | 8,903             | 5.2       | 464         |                  |                   |             |                   |            |
| LISTED, 08-62 29 WITH HERD-MATES                           | 46          | 9,004             | 5.2       | 469         | 21               | 8,878             | 459         |                   |            |
| STATES- 31,35,55,61,92                                     |             |                   |           |             | DIFF.            | 126               | 10          |                   |            |
| 548280 OANOYMAC TRIUMPH.....                               |             |                   |           |             |                  |                   |             |                   |            |
| 01-13-52 473256 1604255 52 AI DAUGHTERS-25*                | 105         | 8,094             | 5.0       | 408         |                  |                   |             |                   |            |
| AI STUO, 41-04 LISTED, 08-62 49 WITH HERD-MATES            | 101         | 8,073             | 5.1       | 409         | 9                | 7,963             | 421         | 8,146             | 406        |
| STATES- 34,35,41   |             |                   |           |             | DIFF.            | 110               | 12-         |                   |            |
| 548393 VISTALINDA MARY DEE-S RADAR.....                    |             |                   |           |             |                  |                   |             |                   |            |
| 07-17-52 518988 1483785 17 NON-AI DAUGHTERS                | 49          | 8,440             | 5.0       | 421         |                  |                   |             |                   |            |
| STATES- 32 17 WITH HERD-MATES                              | 49          | 8,440             | 5.0       | 421         | 7                | 9,078             | 459         |                   |            |
|  |             |                   |           |             | DIFF.            | 638-              | 38-         |                   |            |
| 548447 SPARKLING SIGNAL.....                               |             |                   |           |             |                  |                   |             |                   |            |
| 10-27-52 468937 1669250 16 AI DAUGHTERS-10                 | 16          | 6,530             | 5.3       | 345         |                  |                   |             |                   |            |
| AI STUO, 23-08 LISTED, 05-64 14 WITH HERD-MATES            | 14          | 6,677             | 5.3       | 351         | 12               | 8,604             | 448         | 7,073             | 366        |
| STATES- 11,12,13,23,50                                     |             |                   |           |             | DIFF.            | 1927-             | 97-         |                   |            |
|  |             |                   |           |             |                  |                   |             |                   |            |
| 44 NON-AI DAUGHTERS  | 115         | 8,670             | 5.9       | 509         |                  |                   |             |                   |            |
| 41 WITH HERD-MATES   | 110         | 8,761             | 5.8       | 512         | 13               | 8,991             | 500         |                   |            |
|  |             |                   |           |             | DIFF.            | 230-              | 12          |                   |            |
| 548654 STANOARD CROWN ACTOR.....                           |             |                   |           |             |                  |                   |             |                   |            |
| 09-27-51 511180 1710547 17 NON-AI DAUGHTERS                | 29          | 6,209             | 5.0       | 311         |                  |                   |             |                   |            |
| STATES- 74 17 WITH HERD-MATES                              | 29          | 6,209             | 5.0       | 311         | 9                | 7,097             | 351         |                   |            |
|  |             |                   |           |             | DIFF.            | 888-              | 40-         |                   |            |
| 548974 BRAMPTON BASIL ALLEN.....                           |             |                   |           |             |                  |                   |             |                   |            |
| 09-24-52 534366 1331911 13 NON-AI DAUGHTERS                | 25          | 6,642             | 5.2       | 346         |                  |                   |             |                   |            |
| LISTED, 08-62 12 WITH HERD-MATES                           | 22          | 6,801             | 5.2       | 354         | 5                | 7,272             | 385         |                   |            |
| STATES- 32   |             |                   |           |             | DIFF.            | 471-              | 31-         |                   |            |
| 549122 MISTER JESTER PINN.....                             |             |                   |           |             |                  |                   |             |                   |            |
| 02-27-52 521974 1448741 167 AI DAUGHTERS-25*               | 172         | 8,413             | 5.1       | 432         |                  |                   |             |                   |            |
| AI STUO, 31-01 LISTED, 05-64 167 WITH HERD-MATES           | 172         | 8,413             | 5.1       | 432         | 23               | 8,250             | 423         | 8,234             | 425        |
| STATES- 12,16,21,23,31,32,33,34,41,42,55,57,65,73,74,84,85 |             |                   |           |             | DIFF.            | 163               | 9           |                   |            |
|  |             |                   |           |             |                  |                   |             |                   |            |
| 118 NON-AI DAUGHTERS                                       | 218         | 8,451             | 5.2       | 438         |                  |                   |             |                   |            |
| 116 WITH HERD-MATES  | 213         | 8,470             | 5.2       | 438         | 48               | 8,461             | 430         |                   |            |
|  |             |                   |           |             | DIFF.            | 9                 | 8           |                   |            |
| 549126 TRISTRAM CHAMPION REPEAT.....                       |             |                   |           |             |                  |                   |             |                   |            |
| 06-07-52 519828 1223303 42 AI DAUGHTERS-25*                | 42          | 8,245             | 5.3       | 433         |                  |                   |             |                   |            |
| AI STUO, 31-02 LISTED, 05-64 37 WITH HERD-MATES            | 37          | 8,565             | 5.2       | 449         | 14               | 8,399             | 424         | 8,215             | 436        |
| STATES- 31,33,65,74,84,91                                  |             |                   |           |             | DIFF.            | 166               | 25          |                   |            |
|  |             |                   |           |             |                  |                   |             |                   |            |
| 38 NON-AI DAUGHTERS  | 80          | 9,759             | 5.6       | 545         |                  |                   |             |                   |            |
| 37 WITH HERD-MATES   | 74          | 9,572             | 5.6       | 539         | 7                | 9,171             | 498         |                   |            |
|  |             |                   |           |             | DIFF.            | 401               | 41          |                   |            |
| 549449 SPARKLING VINNIE-S ND8LE.....                       |             |                   |           |             |                  |                   |             |                   |            |
| 09-19-52 506659 1559690 72 AI DAUGHTERS-25*                | 141         | 7,589             | 5.4       | 411         |                  |                   |             |                   |            |
| AI STUO, 23-04 LISTED, 05-64 63 WITH HERD-MATES            | 131         | 7,681             | 5.4       | 417         | 12               | 7,985             | 425         | 7,804             | 410        |
| STATES- 23   |             |                   |           |             | DIFF.            | 304-              | 8-          |                   |            |



| SIREs OF DHIA DAUGHTERS        |                                     |     |                  | AV. PRDUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|--------------------------------|-------------------------------------|-----|------------------|-----------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
| JERSEY                         |                                     |     |                  | RECDROS<br>NUMBER     | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 552845                         | SIBLEY-S TEN TON DESIGN.....        |     |                  |                       |            |           |           |                     |            |           |               |           |
| 01-31-53                       | 528281 1476784                      | 12  | NDN-AI DAUGHTERS | 18                    | 9,494      | 5.0       | 471       |                     |            |           |               |           |
|                                | LISTED, 01-63                       | 9   | WITH HERD-MATES  | 13                    | 9,602      | 5.0       | 481       | 12                  | 8,912      | 462       |               |           |
| STATES-                        | 14,52                               |     |                  |                       |            |           |           | DIFF.               | 690        | 19        |               |           |
| 553116                         | .....                               |     |                  |                       |            |           |           |                     |            |           |               |           |
|                                |                                     | 6   | NDN-AI DAUGHTERS | 9                     | 6,336      | 5.2       | 330       |                     |            |           |               |           |
| STATES-                        | 61                                  | 6   | WITH HERD-MATES  | 9                     | 6,336      | 5.2       | 330       | 4                   | 6,749      | 343       |               |           |
|                                |                                     |     |                  |                       |            |           |           | DIFF.               | 413-       | 13-       |               |           |
| 553149                         | BEAUTYS MASTER ADVANCER.....        |     |                  |                       |            |           |           |                     |            |           |               |           |
| 02-22-53                       | 534585 1732726                      | 108 | NON-AI DAUGHTERS | 165                   | 8,389      | 5.3       | 443       |                     |            |           |               |           |
| AI STUD, 31-01                 | LISTED, 03-64                       | 108 | WITH HERD-MATES  | 165                   | 8,389      | 5.3       | 443       | 32                  | 8,075      | 432       |               |           |
| STATES-                        | 31,32,58,61,64,65                   |     |                  |                       |            |           |           | DIFF.               | 314        | 11        |               |           |
| 553236                         | SECRET SIGNAL OBSERVER.....         |     |                  |                       |            |           |           |                     |            |           |               |           |
| 05-20-53                       | 497574 1556679                      | 46  | AI DAUGHTERS-23  | 48                    | 10,285     | 5.3       | 542       |                     |            |           |               |           |
| AI STUD, 35-75                 | LISTED, 03-64                       | 45  | WITH HERD-MATES  | 47                    | 10,307     | 5.3       | 543       | 41                  | 9,227      | 488       | 8,999         | 464       |
| STATES-                        | 14,16,21,23,34,35,52,               |     |                  |                       |            |           |           | DIFF.               | 1080       | 55        |               |           |
| 55,58,63,64,65,72,74,88,91,92  |                                     | 18  | NON-AI DAUGHTERS | 54                    | 11,082     | 5.6       | 622       |                     |            |           |               |           |
|                                |                                     | 17  | WITH HERD-MATES  | 53                    | 10,974     | 5.6       | 616       | 46                  | 10,487     | 556       |               |           |
|                                |                                     |     |                  |                       |            |           |           | DIFF.               | 487        | 60        |               |           |
| 553245                         | GIPSY TYCODN DF SYNDICATE FARM..... |     |                  |                       |            |           |           |                     |            |           |               |           |
| 05-14-52                       | 460788 1390691                      | 42  | NDN-AI DAUGHTERS | 121                   | 9,588      | 5.1       | 492       |                     |            |           |               |           |
| AI STUD, 35-75                 | LISTED, 05-64                       | 37  | WITH HERD-MATES  | 115                   | 9,929      | 5.1       | 506       | 19                  | 9,666      | 494       |               |           |
| STATES-                        | 12,13,21,55                         |     |                  |                       |            |           |           | DIFF.               | 263        | 12        |               |           |
| 553352                         | ZENITH SUNSET CUSTER.....           |     |                  |                       |            |           |           |                     |            |           |               |           |
| 05-22-53                       | 536816 1469621                      | 24  | NDN-AI DAUGHTERS | 31                    | 6,976      | 5.1       | 357       |                     |            |           |               |           |
|                                | LISTED, 03-64                       | 24  | WITH HERD-MATES  | 31                    | 6,976      | 5.1       | 357       | 16                  | 6,790      | 354       |               |           |
| STATES-                        | 41                                  |     |                  |                       |            |           |           | DIFF.               | 186        | 3         |               |           |
| 553407                         | BRAMPTON 8ELMDNT RECDRDS.....       |     |                  |                       |            |           |           |                     |            |           |               |           |
| 03-19-52                       | 485616 D10178125                    | 39  | NON-AI DAUGHTERS | 79                    | 6,985      | 5.1       | 353       |                     |            |           |               |           |
|                                | LISTED, 08-62                       | 31  | WITH HERD-MATES  | 70                    | 7,227      | 5.1       | 365       | 10                  | 7,852      | 413       |               |           |
| STATES-                        | 31,35,63                            |     |                  |                       |            |           |           | DIFF.               | 625-       | 48-       |               |           |
| 553896                         | SIEFRIED 8DNNY LAD.....             |     |                  |                       |            |           |           |                     |            |           |               |           |
| 12-23-52                       | 529376 1669691                      | 13  | NON-AI DAUGHTERS | 26                    | 8,541      | 5.7       | 485       |                     |            |           |               |           |
|                                | LISTED, 08-62                       | 13  | WITH HERD-MATES  | 24                    | 8,525      | 5.7       | 486       | 5                   | 8,310      | 447       |               |           |
| STATES-                        | 31                                  |     |                  |                       |            |           |           | DIFF.               | 215        | 39        |               |           |
| 554001                         | GDRGEDUS LADS 8LONDE.....           |     |                  |                       |            |           |           |                     |            |           |               |           |
| 07-02-52                       | 469101 1380244                      | 101 | AI DAUGHTERS-25* | 140                   | 7,738      | 5.1       | 394       |                     |            |           |               |           |
| AI STUD, 33-03                 | LISTED, 05-64                       | 95  | WITH HERD-MATES  | 130                   | 7,773      | 5.1       | 397       | 14                  | 8,248      | 433       | 7,664         | 386       |
| STATES-                        | 13,14,16,21,22,23,31,               |     |                  |                       |            |           |           | DIFF.               | 475-       | 36-       |               |           |
| 32,33,34,35,42,43,51,52,58,61, |                                     | 9   | NON-AI DAUGHTERS | 19                    | 7,441      | 5.2       | 390       |                     |            |           |               |           |
| 63,65,73,74,82,87,88,91,92     |                                     | 9   | WITH HERD-MATES  | 19                    | 7,441      | 5.2       | 390       | 10                  | 7,919      | 425       |               |           |
|                                |                                     |     |                  |                       |            |           |           | DIFF.               | 478-       | 35-       |               |           |
| 554190                         | COMMANDD DDTRINA-S ADVANCER.....    |     |                  |                       |            |           |           |                     |            |           |               |           |
| 01-10-53                       | 538484 1769548                      | 6   | AI DAUGHTERS-04  | 6                     | 8,860      | 5.0       | 447       |                     |            |           |               |           |
| AI STUD, 72-01                 | LISTED, 05-64                       | 6   | WITH HERD-MATES  | 6                     | 8,860      | 5.0       | 447       | 23                  | 8,152      | 417       | 8,303         | 426       |
| STATES-                        | 31,71,72,74                         |     |                  |                       |            |           |           | DIFF.               | 708        | 30        |               |           |
|                                |                                     | 5   | NON-AI DAUGHTERS | 9                     | 8,866      | 4.9       | 435       |                     |            |           |               |           |
|                                |                                     | 4   | WITH HERD-MATES  | 8                     | 9,131      | 5.0       | 460       | 13                  | 8,220      | 399       |               |           |
|                                |                                     |     |                  |                       |            |           |           | DIFF.               | 911        | 61        |               |           |
| 554292                         | IMP. NATALIES DESIGNER.....         |     |                  |                       |            |           |           |                     |            |           |               |           |
| 07-07-52                       | 010008366 010057030                 | 12  | NDN-AI DAUGHTERS | 21                    | 8,438      | 5.2       | 439       |                     |            |           |               |           |
|                                | LISTED, 08-62                       | 10  | WITH HERD-MATES  | 18                    | 8,552      | 5.2       | 442       | 11                  | 8,169      | 431       |               |           |
| STATES-                        | 13,16,21,22,23,32,34,               |     |                  |                       |            |           |           | DIFF.               | 383        | 11        |               |           |
| 51,55                          |                                     |     |                  |                       |            |           |           |                     |            |           |               |           |
| 554298                         | BRAMPTDN 8.P. BREAD.....            |     |                  |                       |            |           |           |                     |            |           |               |           |
| 07-08-48                       | 010104635 1723363                   | 11  | AI DAUGHTERS-04  | 12                    | 7,606      | 5.2       | 392       |                     |            |           |               |           |
| AI STUD, 63-02                 |                                     | 5   | WITH HERD-MATES  | 6                     | 8,557      | 5.1       | 433       | 12                  | 8,206      | 421       | 8,172         | 419       |
| STATES-                        | 63                                  |     |                  |                       |            |           |           | DIFF.               | 351        | 12        |               |           |
| 554535                         | IMP. DAINY JESTER.....              |     |                  |                       |            |           |           |                     |            |           |               |           |
| 01-02-52                       | 554534 010057954                    | 31  | AI DAUGHTERS-19  | 60                    | 6,559      | 5.1       | 335       |                     |            |           |               |           |
| AI STUD, 65-02                 | LISTED, 08-62                       | 20  | WITH HERD-MATES  | 40                    | 6,765      | 5.0       | 337       | 14                  | 7,504      | 376       | 7,573         | 389       |
| STATES-                        | 63,65                               |     |                  |                       |            |           |           | DIFF.               | 739-       | 39-       |               |           |
| 554842                         | MARLU CDMANDD 8LDNDE STAR.....      |     |                  |                       |            |           |           |                     |            |           |               |           |
| 04-16-53                       | 457631 1539106                      | 55  | AI DAUGHTERS-25* | 125                   | 8,382      | 5.4       | 449       |                     |            |           |               |           |
| AI STUD, 23-04                 | LISTED, 05-64                       | 50  | WITH HERD-MATES  | 119                   | 8,272      | 5.4       | 447       | 14                  | 8,163      | 436       | 8,161         | 426       |
| STATES-                        | 21,23                               |     |                  |                       |            |           |           | DIFF.               | 109        | 11        |               |           |
| 554902                         | RADAR 8ELLE 8EACON.....             |     |                  |                       |            |           |           |                     |            |           |               |           |
| 02-18-53                       | 010120614 D10203472                 | 1   | AI DAUGHTERS-01  |                       |            |           |           |                     |            |           |               |           |
| AI STUD, 35-02                 | LISTED, 05-64                       | 1   | WITH HERD-MATES  |                       |            |           |           |                     |            |           |               |           |
| STATES-                        | 33,34,35,64,74                      |     |                  |                       |            |           |           |                     |            |           |               |           |
|                                |                                     | 41  | NON-AI DAUGHTERS | 113                   | 8,379      | 5.4       | 455       |                     |            |           |               |           |
|                                |                                     | 36  | WITH HERD-MATES  | 108                   | 8,678      | 5.5       | 475       | 11                  | 9,044      | 482       |               |           |
|                                |                                     |     |                  |                       |            |           |           | DIFF.               | 366-       | 7-        |               |           |
| 554996                         | IMP. WINSOME NOBLE.....             |     |                  |                       |            |           |           |                     |            |           |               |           |
| 05-24-51                       | 554290 48089                        | 12  | NON-AI DAUGHTERS | 16                    | 6,277      | 5.1       | 318       |                     |            |           |               |           |
|                                | LISTED, 01-63                       | 11  | WITH HERD-MATES  | 14                    | 6,432      | 5.1       | 325       | 29                  | 7,253      | 368       |               |           |
| STATES-                        | 16,23,31,34,55,56,74                |     |                  |                       |            |           |           | DIFF.               | 821-       | 43-       |               |           |
| 555024                         | .....                               |     |                  |                       |            |           |           |                     |            |           |               |           |
|                                |                                     | 8   | NON-AI DAUGHTERS | 8                     | 8,634      | 5.4       | 469       |                     |            |           |               |           |
| STATES-                        | 87                                  | 8   | WITH HERD-MATES  | 8                     | 8,634      | 5.4       | 469       | 10                  | 7,987      | 407       |               |           |
|                                |                                     |     |                  |                       |            |           |           | DIFF.               | 647        | 62        |               |           |
| 555063                         | JASIFA PRINCE TORMENTER.....        |     |                  |                       |            |           |           |                     |            |           |               |           |
| 11-20-52                       | 486699 1639456                      | 12  | NON-AI DAUGHTERS | 32                    | 8,399      | 5.3       | 449       |                     |            |           |               |           |
|                                | LISTED, 08-62                       | 11  | WITH HERD-MATES  | 31                    | 8,403      | 5.4       | 453       | 18                  | 7,300      | 403       |               |           |
| STATES-                        | 82                                  |     |                  |                       |            |           |           | DIFF.               | 1103       | 50        |               |           |



## SIRE OF DHIA DAUGHTERS

| JERSEY                       |                              |     |                  | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|------------------------------|------------------------------|-----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 555166                       | .....                        | 9   | NON-AI DAUGHTERS | 14          | 6,079                 | 5.1    | 312         |                 |                    |            |                   |            |
| STATES- 31                   |                              | 8   | WITH HERD-MATES  | 12          | 6,069                 | 5.2    | 313         | 9               | 6,966              | 357        |                   |            |
|                              |                              |     |                  |             |                       |        |             | DIFF.           | 897-               | 44-        |                   |            |
| 555199                       | JESTER ADVANCER GENE.....    |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 11-14-53                     | 488392 1635591               | 8   | NON-AI DAUGHTERS | 19          | 6,890                 | 5.2    | 359         |                 |                    |            |                   |            |
|                              | LISTED, 08-62                | 7   | WITH HERD-MATES  | 18          | 6,923                 | 5.1    | 354         | 22              | 7,964              | 393        |                   |            |
| STATES- 31,55                |                              |     |                  |             |                       |        |             | DIFF.           | 1041-              | 39-        |                   |            |
| 555205                       | .....                        | 12  | NON-AI DAUGHTERS | 12          | 9,444                 | 5.1    | 485         |                 |                    |            |                   |            |
| STATES- 31                   |                              | 12  | WITH HERD-MATES  | 12          | 9,444                 | 5.1    | 485         | 12              | 7,941              | 422        |                   |            |
|                              |                              |     |                  |             |                       |        |             | DIFF.           | 1503               | 63         |                   |            |
| 555217                       | SY8IL OXFORD TRISTRAM.....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 07-11-53                     | 472114 1489210               | 23  | NON-AI DAUGHTERS | 67          | 10,873                | 5.5    | 602         |                 |                    |            |                   |            |
|                              | LISTED, 08-62                | 23  | WITH HERD-MATES  | 67          | 10,873                | 5.5    | 602         | 29              | 10,295             | 546        |                   |            |
| STATES- 93                   |                              |     |                  |             |                       |        |             | DIFF.           | 578                | 56         |                   |            |
| 555218                       | PINN-S KNAVE OF HEARTS.....  |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 07-14-53                     | 531795 1715414               | 8   | NON-AI DAUGHTERS | 11          | 8,499                 | 5.9    | 502         |                 |                    |            |                   |            |
|                              | LISTED, 11-63                | 8   | WITH HERD-MATES  | 11          | 8,499                 | 5.9    | 502         | 46              | 10,732             | 570        |                   |            |
| STATES- 93                   |                              |     |                  |             |                       |        |             | DIFF.           | 2233-              | 68-        |                   |            |
| 555447                       | MICHIGAN NICK RICHARD.....   |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 07-19-53                     | 534697 1880669               | 24  | NON-AI DAUGHTERS | 58          | 8,741                 | 5.7    | 501         |                 |                    |            |                   |            |
|                              | LISTED, 08-62                | 24  | WITH HERD-MATES  | 58          | 8,741                 | 5.7    | 501         | 12              | 9,004              | 489        |                   |            |
| STATES- 34                   |                              |     |                  |             |                       |        |             | DIFF.           | 263-               | 12         |                   |            |
| 555508                       | .....                        | 14  | NON-AI DAUGHTERS | 16          | 7,161                 | 5.6    | 402         |                 |                    |            |                   |            |
| STATES- 58                   |                              | 13  | WITH HERD-MATES  | 15          | 7,196                 | 5.6    | 404         | 13              | 6,958              | 343        |                   |            |
|                              |                              |     |                  |             |                       |        |             | DIFF.           | 238                | 61         |                   |            |
| 555537                       | JESTER-S LIBERATOR.....      |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 10-19-53                     | 544382 1536863               | 17  | NON-AI DAUGHTERS | 23          | 6,742                 | 5.3    | 359         |                 |                    |            |                   |            |
| AI STUD, 63-02               | LISTED, 03-64                | 17  | WITH HERD-MATES  | 22          | 6,758                 | 5.3    | 360         | 10              | 7,141              | 365        |                   |            |
| STATES- 63                   |                              |     |                  |             |                       |        |             | DIFF.           | 383-               | 5-         |                   |            |
| 555596                       | BASILEUS LILA-S JESTER.....  |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 09-23-52                     | 441200 1431443               | 47  | AI DAUGHTERS-22  | 78          | 6,792                 | 5.1    | 344         |                 |                    |            |                   |            |
| AI STUD, 65-02               | LISTED, 08-62                | 37  | WITH HERD-MATES  | 66          | 6,986                 | 5.0    | 352         | 17              | 7,338              | 361        | 7,747             | 405        |
| STATES- 63,65,72             |                              |     |                  |             |                       |        |             | DIFF.           | 352-               | 9-         |                   |            |
| 555597                       | BELMONT RDYAL AIM.....       |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 10-25-52                     | 526995 1891348               | 13  | AI DAUGHTERS-12  | 15          | 7,919                 | 5.1    | 401         |                 |                    |            |                   |            |
| AI STUD, 41-01               | LISTED, 05-64                | 12  | WITH HERD-MATES  | 14          | 8,101                 | 5.1    | 411         | 13              | 8,069              | 426        | 8,082             | 409        |
| STATES- 32,41,42,45          |                              |     |                  |             |                       |        |             | DIFF.           | 32                 | 15-        |                   |            |
|                              |                              | 22  | NON-AI DAUGHTERS | 60          | 8,497                 | 5.4    | 458         |                 |                    |            |                   |            |
|                              |                              | 16  | WITH HERD-MATES  | 51          | 8,023                 | 5.5    | 442         | 7               | 8,109              | 440        |                   |            |
|                              |                              |     |                  |             |                       |        |             | DIFF.           | 86-                | 2          |                   |            |
| 555691                       | POMPOUS BASIL BEACON.....    |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 07-04-53                     | 534145 1395926               | 18  | NON-AI DAUGHTERS | 42          | 8,601                 | 5.2    | 445         |                 |                    |            |                   |            |
|                              | LISTED, 08-62                | 17  | WITH HERD-MATES  | 40          | 8,440                 | 5.2    | 440         | 6               | 8,192              | 410        |                   |            |
| STATES- 33                   |                              |     |                  |             |                       |        |             | DIFF.           | 248                | 30         |                   |            |
| 555757                       | .....                        | 5   | NON-AI DAUGHTERS | 9           | 6,803                 | 5.3    | 363         |                 |                    |            |                   |            |
| STATES- 31                   |                              | 5   | WITH HERD-MATES  | 8           | 6,700                 | 5.3    | 358         | 19              | 8,299              | 441        |                   |            |
|                              |                              |     |                  |             |                       |        |             | DIFF.           | 1599-              | 83-        |                   |            |
| 556042                       | DRACONIS PRETTY BOY.....     |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 03-07-53                     | 488243 1675877               | 24  | NON-AI DAUGHTERS | 53          | 9,161                 | 5.6    | 512         |                 |                    |            |                   |            |
| STATES- 92                   |                              | 24  | WITH HERD-MATES  | 53          | 9,161                 | 5.6    | 512         | 8               | 8,925              | 498        |                   |            |
|                              |                              |     |                  |             |                       |        |             | DIFF.           | 236                | 14         |                   |            |
| 556063                       | SABLE-S COMMANDO.....        |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 10-20-53                     | 457631 1556824               | 28  | NON-AI DAUGHTERS | 60          | 11,892                | 6.2    | 743         |                 |                    |            |                   |            |
| AI STUD, 34-01               | LISTED, 05-64                | 26  | WITH HERD-MATES  | 57          | 11,925                | 6.2    | 739         | 14              | 10,866             | 616        |                   |            |
| STATES- 14,34,35,43,52,74,85 |                              |     |                  |             |                       |        |             | DIFF.           | 1059               | 123        |                   |            |
| 556065                       | BEACON-S R. SON OF JANE..... |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 08-23-53                     | 499417 1634414               | 19  | AI DAUGHTERS-11  | 19          | 6,903                 | 5.1    | 353         |                 |                    |            |                   |            |
| AI STUD, 34-01               | LISTED, 05-64                | 19  | WITH HERD-MATES  | 19          | 6,903                 | 5.1    | 353         | 14              | 7,810              | 408        | 7,497             | 382        |
| STATES- 34,64                |                              |     |                  |             |                       |        |             | DIFF.           | 907-               | 55-        |                   |            |
|                              |                              | 58  | NON-AI DAUGHTERS | 147         | 7,808                 | 5.3    | 411         |                 |                    |            |                   |            |
|                              |                              | 58  | WITH HERD-MATES  | 147         | 7,808                 | 5.3    | 411         | 19              | 8,120              | 424        |                   |            |
|                              |                              |     |                  |             |                       |        |             | DIFF.           | 312-               | 13-        |                   |            |
| 556095                       | MARLU MILADY-S SUPREME.....  |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 10-18-53                     | 506147 1858269               | 342 | AI DAUGHTERS-25* | 618         | 9,407                 | 5.3    | 494         |                 |                    |            |                   |            |
| AI STUD, 91-01               | LISTED, 05-64                | 306 | WITH HERD-MATES  | 553         | 9,401                 | 5.2    | 493         | 13              | 8,826              | 476        | 8,691             | 438        |
| STATES- 81,82,91             |                              |     |                  |             |                       |        |             | DIFF.           | 575                | 17         |                   |            |
| 556111                       | MASTER-S DAHLIA LAD.....     |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 10-13-53                     | 526144 1284919               | 21  | NON-AI DAUGHTERS | 31          | 7,122                 | 4.9    | 352         |                 |                    |            |                   |            |
| STATES- 55                   |                              | 20  | WITH HERD-MATES  | 30          | 7,165                 | 4.9    | 353         | 13              | 6,930              | 351        |                   |            |
|                              |                              |     |                  |             |                       |        |             | DIFF.           | 235                | 2          |                   |            |
| 556242                       | BRIGHAM ADVANCER JAN.....    |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 12-01-53                     | 544480 1710000               | 1   | AI DAUGHTERS-01  |             |                       |        |             |                 |                    |            |                   |            |
| AI STUD, 35-05               | LISTED, 05-64                | 1   | WITH HERD-MATES  |             |                       |        |             |                 |                    |            |                   |            |
| STATES- 33,35,48             |                              |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|                              |                              | 32  | NON-AI DAUGHTERS | 83          | 9,623                 | 5.0    | 483         |                 |                    |            |                   |            |
|                              |                              | 32  | WITH HERD-MATES  | 81          | 9,597                 | 5.0    | 481         | 8               | 9,638              | 478        |                   |            |
|                              |                              |     |                  |             |                       |        |             | DIFF.           | 41-                | 3          |                   |            |
| 556243                       | BRIGHAM ADVANCER JUSTIN..... |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 12-10-53                     | 544480 1740010               | 26  | NON-AI DAUGHTERS | 49          | 9,914                 | 5.5    | 542         |                 |                    |            |                   |            |
| AI STUD, 35-75               | LISTED, 05-64                | 25  | WITH HERD-MATES  | 48          | 10,105                | 5.5    | 552         | 26              | 10,530             | 576        |                   |            |
| STATES- 21                   |                              |     |                  |             |                       |        |             | DIFF.           | 425-               | 24-        |                   |            |

| SIRE OF OHIA DAUGHTERS                 |     |                  |     | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERO-MATES AV. |            |           | PREDICTED AV. |           |
|--|-----|------------------|-----|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
| JERSEY                                 |     |                  |     | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 556311 SPARKLING FOUR ACES.....        |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 12-13-53 473472 1420766                | 90  | AI DAUGHTERS-25* | 186 | 8,553                  | 5.7        | 487       |           |                     |            |           |               |           |
| AI STUO, 23-07 LISTED, 01-63           | 86  | WITH HERD-MATES  | 178 | 8,584                  | 5.7        | 490       |           | 11                  | 8,691      | 461       | 8,027         | 445       |
| STATES- 13,21,22,23,51,55              |     |                  |     |                        |            |           |           | DIFF.               | 107-       | 29        |               |           |
|  | 4   | NON-AI DAUGHTERS | 5   | 9,044                  | 5.2        | 469       |           |                     |            |           |               |           |
|  | 1   | WITH HERD-MATES  | 2   | 13,145                 | 4.8        | 630       |           | 27                  | 8,906      | 465       |               |           |
|  |     |                  |     |                        |            |           |           | DIFF.               | 4239       | 165       |               |           |
| 556600 BILTMORE MONARCH STATESMAN..... |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 09-03-53 511776 1141711                | 21  | NON-AI DAUGHTERS | 43  | 9,349                  | 4.9        | 457       |           |                     |            |           |               |           |
| LISTED, 08-63                          | 21  | WITH HERD-MATES  | 43  | 9,349                  | 4.9        | 457       |           | 42                  | 9,158      | 452       |               |           |
| STATES- 55                             |     |                  |     |                        |            |           |           | DIFF.               | 191        | 5         |               |           |
| 556643 LILAC LAOS REX CHALLENGER.....  |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 09-06-53 510343 185446                 | 23  | NON-AI DAUGHTERS | 43  | 8,245                  | 5.5        | 456       |           |                     |            |           |               |           |
| LISTED, 01-63                          | 23  | WITH HERD-MATES  | 43  | 8,245                  | 5.5        | 456       |           | 18                  | 7,971      | 433       |               |           |
| STATES- 21,31                          |     |                  |     |                        |            |           |           | DIFF.               | 274        | 23        |               |           |
| 557515 GREENBELT-S SOONER DESIGN.....  |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 12-20-54 432667 1344366                | 21  | NON-AI DAUGHTERS | 22  | 7,564                  | 4.9        | 370       |           |                     |            |           |               |           |
| LISTED, 03-64                          | 21  | WITH HERD-MATES  | 22  | 7,564                  | 4.9        | 370       |           | 57                  | 6,698      | 339       |               |           |
| STATES- 73                             |     |                  |     |                        |            |           |           | DIFF.               | 866        | 31        |               |           |
| 557569 .....                           |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| AI STUO, 93-01                         | 14  | NON-AI DAUGHTERS | 16  | 10,581                 | 5.2        | 545       |           |                     |            |           |               |           |
| STATES- 92,93                          | 14  | WITH HERD-MATES  | 16  | 10,581                 | 5.2        | 545       |           | 9                   | 8,998      | 477       |               |           |
|  |     |                  |     |                        |            |           |           | DIFF.               | 1583       | 68        |               |           |
| 557682 SECRET WELCDME RELIANCE.....    |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 12-27-53 497574 1556676                | 28  | NON-AI DAUGHTERS | 79  | 11,203                 | 5.2        | 578       |           |                     |            |           |               |           |
| AI STUO, 12-03 LISTED, 05-64           | 28  | WITH HERD-MATES  | 79  | 11,203                 | 5.2        | 578       |           | 9                   | 10,078     | 533       |               |           |
| STATES- 13                             |     |                  |     |                        |            |           |           | DIFF.               | 1125       | 45        |               |           |
| 557767 .....                           |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| STATES- 63                             | 5   | NON-AI DAUGHTERS | 5   | 7,908                  | 5.0        | 397       |           |                     |            |           |               |           |
|  | 5   | WITH HERD-MATES  | 5   | 7,908                  | 5.0        | 397       |           | 10                  | 8,687      | 449       |               |           |
|  |     |                  |     |                        |            |           |           | DIFF.               | 779-       | 52-       |               |           |
| 557868 THE PATHFINDER.....             |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 12-01-53 457631 1821592                | 7   | AI DAUGHTERS-07  | 7   | 6,549                  | 4.9        | 324       |           |                     |            |           |               |           |
| AI STUO, 31-01 LISTED, 05-64           | 6   | WITH HERD-MATES  | 6   | 6,657                  | 5.0        | 334       |           | 22                  | 8,100      | 423       | 7,591         | 387       |
| STATES- 13,14,22,23,31,32,35,          |     |                  |     |                        |            |           |           | DIFF.               | 1443-      | 89-       |               |           |
| 43,47,52,57,72,74,84,86,91,92          | 48  | NON-AI DAUGHTERS | 79  | 9,377                  | 5.4        | 508       |           |                     |            |           |               |           |
|  | 45  | WITH HERD-MATES  | 76  | 9,444                  | 5.4        | 511       |           | 43                  | 9,542      | 522       |               |           |
|  |     |                  |     |                        |            |           |           | DIFF.               | 98-        | 11-       |               |           |
| 557926 VAUGHNLAND BEACON-S MIKE.....   |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 11-08-53 521366 1440217                | 23  | NON-AI DAUGHTERS | 29  | 7,622                  | 4.8        | 366       |           |                     |            |           |               |           |
| LISTED, 11-63                          | 23  | WITH HERD-MATES  | 27  | 7,625                  | 4.8        | 367       |           | 19                  | 7,841      | 395       |               |           |
| STATES- 82                             |     |                  |     |                        |            |           |           | DIFF.               | 216-       | 28-       |               |           |
| 558172 CORONATOR DUTCH CAP.....        |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 10-01-52 495636 1104843                | 209 | AI DAUGHTERS-25* | 397 | 9,495                  | 5.1        | 482       |           |                     |            |           |               |           |
| AI STUO, 92-01 LISTED, 05-64           | 192 | WITH HERD-MATES  | 356 | 9,509                  | 5.1        | 483       |           | 19                  | 9,047      | 465       | 8,592         | 438       |
| STATES- 14,92                          |     |                  |     |                        |            |           |           | DIFF.               | 462        | 18        |               |           |
|  | 8   | NON-AI DAUGHTERS | 14  | 8,068                  | 5.3        | 431       |           |                     |            |           |               |           |
|  | 4   | WITH HERD-MATES  | 10  | 7,758                  | 5.7        | 442       |           | 29                  | 8,061      | 408       |               |           |
|  |     |                  |     |                        |            |           |           | DIFF.               | 303-       | 34        |               |           |
| 558178 FARMER CARL.....                |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 01-18-54 530454 1903638                | 15  | NON-AI DAUGHTERS | 24  | 7,174                  | 5.5        | 395       |           |                     |            |           |               |           |
| LISTED, 08-63                          | 14  | WITH HERD-MATES  | 23  | 7,310                  | 5.5        | 405       |           | 14                  | 7,340      | 390       |               |           |
| STATES- 21,41                          |     |                  |     |                        |            |           |           | DIFF.               | 30-        | 15        |               |           |
| 558292 SIGNAL WELCOME DOUBLE CHIP..... |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 07-07-53 527637 1885771                | 12  | NON-AI DAUGHTERS | 17  | 9,849                  | 5.3        | 524       |           |                     |            |           |               |           |
| LISTED, 08-62                          | 9   | WITH HERD-MATES  | 14  | 9,921                  | 5.4        | 532       |           | 7                   | 8,967      | 470       |               |           |
| STATES- 92                             |     |                  |     |                        |            |           |           | DIFF.               | 954        | 62        |               |           |
| 558330 SPARKLING HIGH VOLTAGE.....     |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 03-17-53 499211 1775335                | 1   | AI DAUGHTERS-01  | 1   | 7,250                  | 5.0        | 364       |           |                     |            |           |               |           |
| AI STUO, 35-75 LISTED, 05-64           | 26  | NON-AI DAUGHTERS | 59  | 9,077                  | 5.7        | 513       |           |                     |            |           |               |           |
| STATES- 74,87,92                       | 26  | WITH HERD-MATES  | 59  | 9,077                  | 5.7        | 513       |           | 10                  | 8,853      | 488       |               |           |
|  |     |                  |     |                        |            |           |           | DIFF.               | 224        | 25        |               |           |
| 558397 BRAMPTON JUNIOR BASIL.....      |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 12-08-52 529617 1556807                | 64  | NON-AI DAUGHTERS | 151 | 7,464                  | 5.2        | 386       |           |                     |            |           |               |           |
| LISTED, 08-62                          | 61  | WITH HERD-MATES  | 148 | 7,488                  | 5.2        | 386       |           | 44                  | 7,959      | 409       |               |           |
| STATES- 58,63,65,72                    |     |                  |     |                        |            |           |           | DIFF.               | 471-       | 23-       |               |           |
| 558413 BRAMPTON BELMONT CAROM.....     |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 04-29-53 010121754 010212476           | 25  | NON-AI DAUGHTERS | 30  | 7,285                  | 5.2        | 378       |           |                     |            |           |               |           |
| AI STUO, 35-04 LISTED, 05-64           | 22  | WITH HERD-MATES  | 27  | 7,608                  | 5.1        | 390       |           | 12                  | 8,066      | 427       |               |           |
| STATES- 35,42,43                       |     |                  |     |                        |            |           |           | DIFF.               | 458-       | 37-       |               |           |
| 558463 DUTCH SHADILANE REPEAT.....     |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 02-01-53 536673 1696890                | 20  | AI DAUGHTERS-08  | 42  | 8,930                  | 5.1        | 458       |           |                     |            |           |               |           |
| AI STUO, 93-05 LISTED, 05-64           | 17  | WITH HERD-MATES  | 38  | 9,072                  | 5.2        | 472       |           | 5                   | 8,210      | 441       | 8,574         | 435       |
| STATES- 82                             |     |                  |     |                        |            |           |           | DIFF.               | 862        | 31        |               |           |
| 558752 COIFFURIS BLONDE JESTER.....    |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 02-27-54 448354 1623760                | 71  | AI DAUGHTERS-20  | 111 | 7,239                  | 5.4        | 388       |           |                     |            |           |               |           |
| AI STUO, 65-02 LISTED, 05-64           | 67  | WITH HERD-MATES  | 106 | 7,305                  | 5.4        | 392       |           | 16                  | 7,698      | 406       | 7,705         | 403       |
| STATES- 64,65,74                       |     |                  |     |                        |            |           |           | DIFF.               | 393-       | 14-       |               |           |
|  | 1   | NON-AI DAUGHTERS | 1   | 9,800                  | 4.9        | 482       |           |                     |            |           |               |           |
|  | 1   | WITH HERD-MATES  | 1   | 9,800                  | 4.9        | 482       |           | 5                   | 7,794      | 402       |               |           |
|  |     |                  |     |                        |            |           |           | DIFF.               | 2006       | 80        |               |           |
| 558907 BRAMPTON BELMONT BAS.....       |     |                  |     |                        |            |           |           |                     |            |           |               |           |
| 08-13-52 485616 010159944              | 12  | NON-AI DAUGHTERS | 14  | 7,830                  | 5.0        | 395       |           |                     |            |           |               |           |
| LISTED, 08-63                          | 11  | WITH HERD-MATES  | 13  | 7,846                  | 5.0        | 395       |           | 21                  | 7,590      | 381       |               |           |
| STATES- 32,57,64,65                    |     |                  |     |                        |            |           |           | DIFF.               | 256        | 14        |               |           |

## SIRE OF DHIA DAUGHTERS

| JERSEY         |                                      |     |                  | AV. PRODUCTION OF | DAU.   | ADJ. | HERD-MATES | AV.    | PREDICTED | AV. |
|----------------|--------------------------------------|-----|------------------|-------------------|--------|------|------------|--------|-----------|-----|
|                |                                      |     |                  | RECORDS           | MILK   | TEST | FAT        | AV.    | MILK      | FAT |
|                |                                      |     |                  | NUMBER            | L8     | %    | L8         | NUMBER | L8        | L8  |
| 558956         | .....                                |     |                  |                   |        |      |            |        |           |     |
| STATES-        | 31                                   | 5   | NON-AI DAUGHTERS | 8                 | 8,121  | 4.6  | 374        |        |           |     |
|                |                                      | 5   | WITH HERD-MATES  | 8                 | 8,121  | 4.6  | 374        | 16     | 8,169     | 420 |
|                |                                      |     |                  |                   |        |      |            | DIFF.  | 48-       | 46- |
| 559101         | .....                                |     |                  |                   |        |      |            |        |           |     |
| STATES-        | 31,32,35,64                          | 5   | NON-AI DAUGHTERS | 11                | 7,195  | 5.1  | 369        |        |           |     |
|                |                                      | 5   | WITH HERD-MATES  | 11                | 7,195  | 5.1  | 369        | 14     | 7,266     | 367 |
|                |                                      |     |                  |                   |        |      |            | DIFF.  | 71-       | 2   |
| 559154         | CASIMIR DWL DOUGHBOY.....            |     |                  |                   |        |      |            |        |           |     |
| 10-22-53       | 483912 1589294                       | 9   | NON-AI DAUGHTERS | 18                | 8,913  | 5.4  | 485        |        |           |     |
|                | LISTED, 08-62                        | 9   | WITH HERD-MATES  | 18                | 8,913  | 5.4  | 485        | 40     | 9,009     | 474 |
| STATES-        | 31                                   |     |                  |                   |        |      |            | DIFF.  | 96-       | 11  |
| 559188         | ACTOR-S ADVANCER GENE.....           |     |                  |                   |        |      |            |        |           |     |
| 11-17-53       | 546672 1675124                       | 18  | NON-AI DAUGHTERS | 38                | 6,514  | 5.1  | 332        |        |           |     |
|                | LISTED, 08-63                        | 17  | WITH HERD-MATES  | 36                | 6,383  | 5.1  | 324        | 6      | 7,162     | 366 |
| STATES-        | 54                                   |     |                  |                   |        |      |            | DIFF.  | 779-      | 42- |
| 559240         | SECRET WELCOME LIGHTNING.....        |     |                  |                   |        |      |            |        |           |     |
| 03-07-54       | 497574 1420321                       | 21  | NON-AI DAUGHTERS | 65                | 9,525  | 5.2  | 495        |        |           |     |
|                | LISTED, 08-62                        | 21  | WITH HERD-MATES  | 65                | 9,525  | 5.2  | 495        | 38     | 8,581     | 462 |
| STATES-        | 21                                   |     |                  |                   |        |      |            | DIFF.  | 944       | 33  |
| 559245         | SECRET SIGNAL VOLUNTEER.....         |     |                  |                   |        |      |            |        |           |     |
| 06-01-54       | 497574 1556679                       | 25  | NON-AI DAUGHTERS | 66                | 9,016  | 5.0  | 450        |        |           |     |
|                | LISTED, 08-62                        | 25  | WITH HERD-MATES  | 66                | 9,016  | 5.0  | 450        | 18     | 8,519     | 430 |
| STATES-        | 21                                   |     |                  |                   |        |      |            | DIFF.  | 497       | 20  |
| 559270         | TWIN CEDARS WINDSOR JESTER.....      |     |                  |                   |        |      |            |        |           |     |
| 07-03-52       | 517080 1716104                       | 8   | NON-AI DAUGHTERS | 10                | 6,846  | 5.2  | 355        |        |           |     |
|                | LISTED, 11-63                        | 8   | WITH HERD-MATES  | 10                | 6,846  | 5.2  | 355        | 20     | 7,924     | 386 |
| STATES-        | 82                                   |     |                  |                   |        |      |            | DIFF.  | 1078-     | 31- |
| 559352         | .....                                |     |                  |                   |        |      |            |        |           |     |
| STATES-        | 86,88,93                             | 6   | NON-AI DAUGHTERS | 7                 | 10,868 | 4.8  | 525        |        |           |     |
|                |                                      | 6   | WITH HERD-MATES  | 7                 | 10,868 | 4.8  | 525        | 13     | 9,984     | 530 |
|                |                                      |     |                  |                   |        |      |            | DIFF.  | 884       | 5-  |
| 559353         | IMP. RICHMOND DOUBLE DREAMER.....    |     |                  |                   |        |      |            |        |           |     |
| 06-16-53       | 554995 010053302                     | 11  | NON-AI DAUGHTERS | 11                | 5,122  | 5.2  | 268        |        |           |     |
|                | LISTED, 08-62                        | 11  | WITH HERD-MATES  | 11                | 5,122  | 5.2  | 268        | 16     | 6,605     | 328 |
| STATES-        | 65                                   |     |                  |                   |        |      |            | DIFF.  | 1483-     | 60- |
| 559422         | BRAMPTON SULTAN BASILUS.....         |     |                  |                   |        |      |            |        |           |     |
| 08-14-53       | 534366 162036                        | 16  | NON-AI DAUGHTERS | 35                | 6,917  | 6.0  | 412        |        |           |     |
|                | LISTED, 08-62                        | 15  | WITH HERD-MATES  | 33                | 7,068  | 5.9  | 419        | 15     | 7,466     | 423 |
| STATES-        | 32                                   |     |                  |                   |        |      |            | DIFF.  | 398-      | 4-  |
| 559697         | IMP. FILLPAIL WINSOME ROYAL.....     |     |                  |                   |        |      |            |        |           |     |
| 01-12-54       | 559355 010058117                     | 46  | NON-AI DAUGHTERS | 97                | 6,866  | 5.3  | 361        |        |           |     |
|                | LISTED, 01-63                        | 46  | WITH HERD-MATES  | 97                | 6,866  | 5.3  | 361        | 25     | 6,831     | 352 |
| STATES-        | 42,61,65                             |     |                  |                   |        |      |            | DIFF.  | 35        | 9   |
| 559723         | 8ELMONT JESTER PAPPY.....            |     |                  |                   |        |      |            |        |           |     |
| 10-08-53       | 526995 1755979                       | 11  | NON-AI DAUGHTERS | 22                | 7,116  | 4.9  | 351        |        |           |     |
|                | LISTED, 08-62                        | 11  | WITH HERD-MATES  | 22                | 7,116  | 4.9  | 351        | 9      | 7,271     | 382 |
| STATES-        | 31,32,33                             |     |                  |                   |        |      |            | DIFF.  | 155-      | 31- |
| 559928         | M. F. LINOALE BEACON BAS.....        |     |                  |                   |        |      |            |        |           |     |
| 09-03-46       | 010111595 010110677                  | 113 | NON-AI DAUGHTERS | 214               | 9,472  | 4.9  | 468        |        |           |     |
|                | LISTED, 08-63                        | 105 | WITH HERD-MATES  | 203               | 9,590  | 4.9  | 474        | 29     | 9,401     | 484 |
| STATES-        | 21,35,52,55,58,63,64,<br>65,74,84,91 |     |                  |                   |        |      |            | DIFF.  | 189       | 10- |
| 560031         | .....                                |     |                  |                   |        |      |            |        |           |     |
| STATES-        | 33                                   | 17  | NON-AI DAUGHTERS | 23                | 6,251  | 5.7  | 354        |        |           |     |
|                |                                      | 16  | WITH HERD-MATES  | 22                | 6,239  | 5.7  | 353        | 4      | 7,673     | 406 |
|                |                                      |     |                  |                   |        |      |            | DIFF.  | 1434-     | 53- |
| 560122         | JESTER EASTER FILLPAIL.....          |     |                  |                   |        |      |            |        |           |     |
| 06-08-54       | 448354 1629723                       | 15  | AI DAUGHTERS-09  | 19                | 6,824  | 5.2  | 358        |        |           |     |
| AI STUD, 65-02 | LISTED, 05-64                        | 15  | WITH HERD-MATES  | 19                | 6,824  | 5.2  | 358        | 36     | 7,066     | 364 |
| STATES-        | 32,58,65                             |     |                  |                   |        |      |            | DIFF.  | 242-      | 6-  |
|                |                                      | 2   | NON-AI DAUGHTERS | 4                 | 8,235  | 5.2  | 431        |        |           |     |
|                |                                      | 2   | WITH HERD-MATES  | 4                 | 8,235  | 5.2  | 431        | 30     | 8,354     | 399 |
|                |                                      |     |                  |                   |        |      |            | DIFF.  | 119-      | 32  |
| 560132         | HILLSIDE SY8IL INVADER.....          |     |                  |                   |        |      |            |        |           |     |
| 02-09-54       | 457046 1498245                       | 8   | NON-AI DAUGHTERS | 19                | 7,798  | 5.3  | 410        |        |           |     |
|                | LISTED, 08-62                        | 6   | WITH HERD-MATES  | 16                | 8,093  | 5.3  | 429        | 13     | 8,174     | 414 |
| STATES-        | 21                                   |     |                  |                   |        |      |            | DIFF.  | 81-       | 15  |
| 560227         | 8EAU SY8IL TABLER.....               |     |                  |                   |        |      |            |        |           |     |
| 03-06-54       | 435238 1767265                       | 18  | NON-AI DAUGHTERS | 41                | 8,847  | 5.1  | 454        |        |           |     |
| AI STUD, 12-03 | LISTED, 05-64                        | 18  | WITH HERD-MATES  | 41                | 8,847  | 5.1  | 454        | 37     | 8,038     | 424 |
| STATES-        | 31,58,74                             |     |                  |                   |        |      |            | DIFF.  | 809       | 30  |
| 560268         | COMMANDER-S CAPER.....               |     |                  |                   |        |      |            |        |           |     |
| 03-02-54       | 468937 1802181                       | 9   | AI DAUGHTERS-04  | 15                | 11,265 | 5.0  | 559        |        |           |     |
| AI STUD, 93-01 | LISTED, 05-64                        | 9   | WITH HERD-MATES  | 15                | 11,265 | 5.0  | 559        | 24     | 11,019    | 569 |
| STATES-        | 93                                   |     |                  |                   |        |      |            | DIFF.  | 246       | 10- |
| 560370         | IT-S VOL. STD. MERCURY.....          |     |                  |                   |        |      |            |        |           |     |
| 11-12-53       | 543118 1834699                       | 34  | NON-AI DAUGHTERS | 102               | 7,084  | 6.1  | 429        |        |           |     |
| STATES-        | 73                                   | 34  | WITH HERD-MATES  | 102               | 7,084  | 6.1  | 429        | 16     | 7,625     | 429 |
|                |                                      |     |                  |                   |        |      |            | DIFF.  | 541-      |     |
| 560558         | FAVORITE ADVANCER SIGNAL.....        |     |                  |                   |        |      |            |        |           |     |
| 03-15-54       | 493165 1868502                       | 15  | NON-AI DAUGHTERS | 37                | 10,793 | 5.5  | 592        |        |           |     |
| AI STUD, 93-10 | LISTED, 05-64                        | 15  | WITH HERD-MATES  | 37                | 10,793 | 5.5  | 592        | 6      | 9,580     | 541 |
| STATES-        | 92                                   |     |                  |                   |        |      |            | DIFF.  | 1213      | 51  |



## SIREN OF DHIA DAUGHTERS

| JERSEY  |      |        |     | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|---|------|--------|-----|------------------------|---------------------|---------------|
| RECORDS   | MILK | TEST   | FAT | NUMBER                 | MILK                | FAT           |
| NUMBER  | L8   | %      | L8  |                        | L8                  | L8            |
| 560580 NATALIES SURVILLO DESIGNER.....  |      |        |     |                        |                     |               |
| 08-08-54 554292 1663094 8 NON-AI DAUGHTERS                                      | 14   | 6,603  | 5.5 | 363                    |                     |               |
| LISTED, 08-62 7 WITH HERD-MATES   | 13   | 6,418  | 5.6 | 358                    | 12                  | 7,033         |
| STATES- 42,45,48,73   |      |        |     |                        | DIFF. 615-          | 387 29-       |
| 560589 BRIGHAM CONFIDENT KEITH.....   |      |        |     |                        |                     |               |
| 06-12-54 470945 1777706 44 NON-AI DAUGHTERS                                     | 77   | 8,923  | 5.4 | 479                    |                     |               |
| LISTED, 08-62 43 WITH HERD-MATES  | 76   | 8,938  | 5.4 | 482                    | 35                  | 8,765         |
| STATES- 13  |      |        |     |                        | DIFF. 173           | 480 2         |
| 560800 CDRLAD-S DREAM BOY.....  |      |        |     |                        |                     |               |
| 04-30-53 540908 1811928 12 NON-AI DAUGHTERS                                     | 38   | 10,537 | 5.8 | 613                    |                     |               |
| AI STUD, 35-75 LISTED, 05-64 7 WITH HERD-MATES                                  | 30   | 10,869 | 5.9 | 638                    | 10                  | 10,300        |
| STATES- 92  |      |        |     |                        | DIFF. 569           | 592 46        |
| 560921 FAVORITE TRISTRAM FERDINAND.....   |      |        |     |                        |                     |               |
| 12-27-52 530191 1821153 23 NON-AI DAUGHTERS                                     | 43   | 7,671  | 5.5 | 423                    |                     |               |
| LISTED, 08-62 23 WITH HERD-MATES  | 43   | 7,671  | 5.5 | 423                    | 5                   | 7,702         |
| STATES- 81  |      |        |     |                        | DIFF. 31-           | 422 1         |
| 561270 BILTMORE NICDTINE WELCOME.....   |      |        |     |                        |                     |               |
| 06-06-54 537802 1737350 35 NON-AI DAUGHTERS                                     | 57   | 7,120  | 5.0 | 356                    |                     |               |
| LISTED, 03-64 35 WITH HERD-MATES  | 57   | 7,120  | 5.0 | 356                    | 38                  | 6,551         |
| STATES- 55,74   |      |        |     |                        | DIFF. 569           | 324 32        |
| 561282 ETTA DESIGN JESTER JIM.....  |      |        |     |                        |                     |               |
| 05-20-54 536772 1631107 9 NON-AI DAUGHTERS                                      | 11   | 6,589  | 5.1 | 333                    |                     |               |
| LISTED, 11-63 8 WITH HERD-MATES   | 10   | 6,868  | 5.1 | 347                    | 11                  | 6,923         |
| STATES- 32,35   |      |        |     |                        | DIFF. 55-           | 355 8-        |
| 561304 V. LINDA-S DANDY ADVANCER.....   |      |        |     |                        |                     |               |
| 12-19-53 524581 1562314 154 AI DAUGHTERS-25*                                    | 275  | 8,710  | 5.5 | 482                    |                     |               |
| AI STUD, 16-04 LISTED, 05-64 142 WITH HERD-MATES                                | 251  | 8,743  | 5.5 | 485                    | 12                  | 8,738         |
| STATES- 11,12,13,14,16,21   |      |        |     |                        | DIFF. 5             | 460 25        |
| 561329 .....  |      |        |     |                        |                     |               |
| STATES- 31,72   | 5    | 6,009  | 5.0 | 303                    |                     |               |
|   | 5    | 6,009  | 5.0 | 303                    | 9                   | 7,399         |
|   |      |        |     |                        | DIFF. 1390-         | 373 70-       |
| 561335 .....  |      |        |     |                        |                     |               |
| STATES- 33,63   | 8    | 7,848  | 5.0 | 393                    |                     |               |
|   | 8    | 7,848  | 5.0 | 393                    | 10                  | 7,836         |
|   |      |        |     |                        | DIFF. 12            | 393           |
| 561372 MURRAY JESTER DESIGN PRINCE.....   |      |        |     |                        |                     |               |
| 12-03-54 535577 1565130 24 NON-AI DAUGHTERS                                     | 48   | 8,938  | 4.7 | 423                    |                     |               |
| LISTED, 08-63 24 WITH HERD-MATES  | 48   | 8,938  | 4.7 | 423                    | 22                  | 8,303         |
| STATES- 61,63   |      |        |     |                        | DIFF. 635           | 398 25        |
| 561469 TRISTRAM BASIL JESTERMAN.....  |      |        |     |                        |                     |               |
| 12-14-52 435991 1722352 19 NON-AI DAUGHTERS                                     | 36   | 10,044 | 5.7 | 573                    |                     |               |
| LISTED, 08-62 19 WITH HERD-MATES  | 35   | 10,015 | 5.7 | 571                    | 9                   | 9,864         |
| STATES- 91,92   |      |        |     |                        | DIFF. 151           | 544 27        |
| 561487 BRIGHAM CONFIDENT KELIAN.....  |      |        |     |                        |                     |               |
| 09-20-54 470945 1594635 82 AI DAUGHTERS-25*                                     | 147  | 8,184  | 5.2 | 429                    |                     |               |
| AI STUD, 33-03 LISTED, 05-64 74 WITH HERD-MATES                                 | 130  | 8,303  | 5.3 | 436                    | 15                  | 8,300         |
| STATES- 12,13,14,21,22,23,31,32,33,34,35,41,42,47,48,54,56,63,82,88,93          |      |        |     |                        | DIFF. 3             | 433 3         |
| 561488 BRIGHAM ADVANCER KEGAN.....  |      |        |     |                        |                     |               |
| 11-03-54 544480 1506153 67 AI DAUGHTERS-25*                                     | 95   | 7,561  | 5.5 | 419                    |                     |               |
| AI STUD, 33-03 LISTED, 05-64 63 WITH HERD-MATES                                 | 84   | 7,604  | 5.6 | 423                    | 15                  | 8,272         |
| STATES- 11,13,14,21,23,31,32,33,34,35,42,43,47,51,52,54,61,82,87,91,92,93       |      |        |     |                        | DIFF. 668-          | 434 11-       |
| 561498 DANDY ESTELLE BRUCE.....   |      |        |     |                        |                     |               |
| 08-17-54 524982 1394240 8 NON-AI DAUGHTERS                                      | 10   | 7,618  | 5.5 | 422                    |                     |               |
| LISTED, 11-63 8 WITH HERD-MATES   | 10   | 7,618  | 5.5 | 422                    | 49                  | 7,464         |
| STATES- 42,57   |      |        |     |                        | DIFF. 154           | 393 29        |
| 561500 COMMANDO STANDARD IVY SIR.....   |      |        |     |                        |                     |               |
| 09-18-54 457631 1505315 37 AI DAUGHTERS-25*                                     | 41   | 7,985  | 5.2 | 412                    |                     |               |
| AI STUD, 33-03 LISTED, 05-64 36 WITH HERD-MATES                                 | 40   | 7,973  | 5.2 | 412                    | 14                  | 8,449         |
| STATES- 13,14,16,21,23,32,33,34,35,42,43,47,48,61,63,71,72,73,74,82,84,91,92,93 |      |        |     |                        | DIFF. 476-          | 433 21-       |
|   | 26   | 8,940  | 5.3 | 478                    |                     |               |
|   | 26   | 8,940  | 5.3 | 478                    | 15                  | 8,863         |
|   |      |        |     |                        | DIFF. 77            | 462 16        |
| 561699 VICTORY LAD-S PERFECTION.....  |      |        |     |                        |                     |               |
| 06-17-54 473215 1478430 5 AI DAUGHTERS-04                                       | 5    | 8,448  | 4.7 | 393                    |                     |               |
| AI STUD, 31-01 LISTED, 05-64 5 WITH HERD-MATES                                  | 5    | 8,448  | 4.7 | 393                    | 8                   | 8,385         |
| STATES- 23,31,74  |      |        |     |                        | DIFF. 63            | 423 30-       |
|   | 21   | 9,930  | 5.0 | 497                    |                     |               |
|   | 21   | 9,930  | 5.0 | 497                    | 12                  | 9,235         |
|   |      |        |     |                        | DIFF. 695           | 481 16        |
| 561702 SIGNAL WELCOME PERFORMANCE.....  |      |        |     |                        |                     |               |
| 09-02-54 419248 1525643 21 AI DAUGHTERS-09                                      | 29   | 7,607  | 5.1 | 390                    |                     |               |
| AI STUD, 72-01 LISTED, 03-64 21 WITH HERD-MATES                                 | 29   | 7,607  | 5.1 | 390                    | 18                  | 7,508         |
| STATES- 72  |      |        |     |                        | DIFF. 99            | 372 18        |
| 561907 .....  |      |        |     |                        |                     |               |
| STATES- 63  | 19   | 7,674  | 5.2 | 398                    |                     |               |
|   | 19   | 7,674  | 5.2 | 398                    | 28                  | 8,120         |
|   |      |        |     |                        | DIFF. 446-          | 415 17-       |
| 561949 JESTER ETTA BEAUTY JESTER.....   |      |        |     |                        |                     |               |
| 09-26-54 549549 1560847 19 NON-AI DAUGHTERS                                     | 42   | 8,661  | 4.9 | 423                    |                     |               |
| LISTED, 08-62 18 WITH HERD-MATES  | 41   | 8,789  | 4.9 | 430                    | 62                  | 8,605         |
| STATES- 58  |      |        |     |                        | DIFF. 184           | 425 5         |

## SIRE OF DHIA DAUGHTERS

| JERSEY         |  |     |                  | AV. PRDUCTION | DF     | DAU. | ADJ.   | HERD-MATES | AV.    | PREDICTED AV. |           |
|----------------|--|-----|------------------|---------------|--------|------|--------|------------|--------|---------------|-----------|
|                |  |     |                  | REC'DROS      | MILK   | TEST | NUMBER | AV. MILK   | FAT    | MILK          | FAT       |
|                |  |     |                  | NUMBER        | LB     | %    | LB     | LB         | LB     | LB            | LB        |
| 561951         | JESTER ETTA ROYAL JESTER.....                      |     |                  |               |        |      |        |            |        |               |           |
| 11-04-54       | 504013 1741451                                     | 14  | NON-AI DAUGHTERS | 17            | 7,934  | 4.8  | 381    |            |        |               |           |
|                | LISTED, 08-63                                      | 14  | WITH HERD-MATES  | 17            | 7,934  | 4.8  | 381    | 19         | 8,097  | 418           |           |
| STATES-        | 16,21,31,35,58                                     |     |                  |               |        |      |        | DIFF.      | 163-   | 37-           |           |
| 561956         | .....  |     |                  |               |        |      |        |            |        |               |           |
|                |  | 17  | NDN-AI DAUGHTERS | 42            | 7,723  | 5.6  | 432    |            |        |               |           |
| STATES-        | 14,21  | 15  | WITH HERD-MATES  | 39            | 7,706  | 5.6  | 434    | 65         | 8,305  | 436           |           |
|                |  |     |                  |               |        |      |        | DIFF.      | 599-   | 2-            |           |
| 562033         | TRISTRAM BASIL FRANKIE.....                        |     |                  |               |        |      |        |            |        |               |           |
| 01-05-55       | 530104 1823969                                     | 18  | NON-AI DAUGHTERS | 41            | 8,435  | 5.1  | 431    |            |        |               |           |
|                | LISTED, 08-62                                      | 17  | WITH HERD-MATES  | 40            | 8,389  | 5.1  | 428    | 9          | 8,018  | 442           |           |
| STATES-        | 41   |     |                  |               |        |      |        | DIFF.      | 371    | 14-           |           |
| 562061         | CDMMANOO SUPER STAR.....                           |     |                  |               |        |      |        |            |        |               |           |
| 07-15-54       | 475931 1857718                                     | 21  | NON-AI DAUGHTERS | 39            | 8,829  | 5.9  | 521    |            |        |               |           |
|                | LISTED, 08-63                                      | 21  | WITH HERD-MATES  | 38            | 8,889  | 5.9  | 524    | 22         | 9,000  | 507           |           |
| STATES-        | 21   |     |                  |               |        |      |        | DIFF.      | 111-   | 17            |           |
| 562315         | SURVILLE HARVEST PRIDE.....                        |     |                  |               |        |      |        |            |        |               |           |
| 11-09-54       | 503523 1760788                                     | 123 | AI DAUGHTERS-25* | 221           | 8,426  | 5.3  | 444    |            |        |               |           |
| AI STUD, 31-02 | LISTED, 05-64                                      | 122 | WITH HERD-MATES  | 220           | 8,432  | 5.3  | 445    | 12         | 8,198  | 425           | 8,291 435 |
| STATES-        | 22,23,31,32,43,56,57,64,72                         |     |                  |               |        |      |        | DIFF.      | 234    | 20            |           |
| 562571         | SECRET WELCDME MAGICIAN.....                       |     |                  |               |        |      |        |            |        |               |           |
| 01-22-55       | 497574 1524579                                     | 37  | NDN-AI DAUGHTERS | 101           | 10,065 | 5.3  | 533    |            |        |               |           |
| AI STUD, 23-08 | LISTED, 05-64                                      | 37  | WITH HERD-MATES  | 101           | 10,065 | 5.3  | 533    | 17         | 10,260 | 543           |           |
| STATES-        | 16,21,22,52  |     |                  |               |        |      |        | DIFF.      | 195-   | 10-           |           |
| 562683         | .....  |     |                  |               |        |      |        |            |        |               |           |
|                |  | 5   | NON-AI DAUGHTERS | 10            | 7,598  | 5.2  | 394    |            |        |               |           |
| STATES-        | 72   | 5   | WITH HERD-MATES  | 10            | 7,598  | 5.2  | 394    | 13         | 7,860  | 394           |           |
|                |  |     |                  |               |        |      |        | DIFF.      | 262-   |               |           |
| 562740         | ANN ARLOE CNFIDENT JEST.....                       |     |                  |               |        |      |        |            |        |               |           |
| 12-15-54       | 496362 1714259                                     | 49  | AI DAUGHTERS-25* | 81            | 7,228  | 5.7  | 415    |            |        |               |           |
| AI STUD, 33-03 | LISTED, 08-63                                      | 47  | WITH HERD-MATES  | 76            | 7,232  | 5.8  | 417    | 18         | 8,170  | 422           | 7,333 413 |
| STATES-        | 12,13,14,16,21,23,31,32,33,34,35,41,42,43,48,74,87 |     |                  |               |        |      |        | DIFF.      | 938-   | 5-            |           |
|                |  | 1   | NON-AI DAUGHTERS | 1             | 7,510  | 5.2  | 390    | 6          | 7,333  | 399           |           |
|                |  | 1   | WITH HERD-MATES  | 1             | 7,510  | 5.2  | 390    | DIFF.      | 177    | 9-            |           |
| 562742         | BASIL EASTER SURVILLE.....                         |     |                  |               |        |      |        |            |        |               |           |
| 08-11-54       | 516068 1663091                                     | 19  | NDN-AI DAUGHTERS | 37            | 7,017  | 5.0  | 353    |            |        |               |           |
|                | LISTED, 08-62                                      | 19  | WITH HERD-MATES  | 37            | 7,017  | 5.0  | 353    | 10         | 8,323  | 409           |           |
| STATES-        | 31,55  |     |                  |               |        |      |        | DIFF.      | 1306-  | 56-           |           |
| 562967         | JEANS ROYAL ECHD CHDR-LYNN.....                    |     |                  |               |        |      |        |            |        |               |           |
| 09-24-54       | 498154 2018617                                     | 31  | NDN-AI DAUGHTERS | 58            | 11,845 | 5.1  | 608    |            |        |               |           |
| AI STUD, 93-01 | LISTED, 05-64                                      | 29  | WITH HERD-MATES  | 56            | 11,811 | 5.2  | 610    | 23         | 10,640 | 556           |           |
| STATES-        | 93   |     |                  |               |        |      |        | DIFF.      | 1171   | 54            |           |
| 563081         | SUPREME MARLU CDMANDO.....                         |     |                  |               |        |      |        |            |        |               |           |
| 04-15-54       | 506147 1631358                                     | 26  | NDN-AI DAUGHTERS | 61            | 8,311  | 5.3  | 439    |            |        |               |           |
|                | LISTED, 08-62                                      | 26  | WITH HERD-MATES  | 61            | 8,311  | 5.3  | 439    | 24         | 8,786  | 450           |           |
| STATES-        | 21   |     |                  |               |        |      |        | DIFF.      | 475-   | 11-           |           |
| 563136         | COMMANDO-S RESERVE CHAMPION.....                   |     |                  |               |        |      |        |            |        |               |           |
| 10-01-54       | 476144 1582535                                     | 10  | NON-AI DAUGHTERS | 15            | 6,127  | 5.3  | 326    |            |        |               |           |
|                | LISTED, 08-63                                      | 10  | WITH HERD-MATES  | 15            | 6,127  | 5.3  | 326    | 35         | 6,571  | 341           |           |
| STATES-        | 42,61  |     |                  |               |        |      |        | DIFF.      | 444-   | 15-           |           |
| 563168         | .....  |     |                  |               |        |      |        |            |        |               |           |
|                |  | 8   | NON-AI DAUGHTERS | 8             | 9,088  | 5.1  | 468    |            |        |               |           |
| STATES-        | 91   | 8   | WITH HERD-MATES  | 8             | 9,088  | 5.1  | 468    | 19         | 8,796  | 431           |           |
|                |  |     |                  |               |        |      |        | DIFF.      | 292    | 37            |           |
| 563212         | TRISTRAM OBSERVER SIGNAL.....                      |     |                  |               |        |      |        |            |        |               |           |
| 10-29-54       | 435991 1606219                                     | 27  | AI DAUGHTERS-17  | 41            | 7,455  | 5.2  | 391    |            |        |               |           |
| AI STUD, 63-02 | LISTED, 05-64                                      | 24  | WITH HERD-MATES  | 38            | 7,552  | 5.3  | 397    | 13         | 7,872  | 396           | 7,842 415 |
| STATES-        | 61,63,64   |     |                  |               |        |      |        | DIFF.      | 320-   | 1             |           |
|                |  | 3   | NON-AI DAUGHTERS | 3             | 9,643  | 5.2  | 506    | 12         | 8,571  | 431           |           |
|                |  | 3   | WITH HERD-MATES  | 3             | 9,643  | 5.2  | 506    | DIFF.      | 1072   | 75            |           |
| 563235         | RUSH-S STANDARO AIM ADVANCER.....                  |     |                  |               |        |      |        |            |        |               |           |
| 02-10-54       | 488392 1821500                                     | 9   | NON-AI DAUGHTERS | 15            | 8,329  | 5.0  | 417    |            |        |               |           |
|                | LISTED, 11-63                                      | 9   | WITH HERD-MATES  | 15            | 8,329  | 5.0  | 417    | 29         | 7,645  | 390           |           |
| STATES-        | 57,58,64   |     |                  |               |        |      |        | DIFF.      | 684    | 27            |           |
| 563278         | ADVANCERS CONTRIBUTIDN.....                        |     |                  |               |        |      |        |            |        |               |           |
| 09-08-54       | 550331 1390835                                     | 112 | AI DAUGHTERS-25* | 170           | 7,666  | 5.2  | 399    |            |        |               |           |
| AI STUD, 51-02 | LISTED, 05-64                                      | 106 | WITH HERD-MATES  | 160           | 7,619  | 5.2  | 398    | 12         | 7,358  | 378           | 8,235 430 |
| STATES-        | 21,31,42,50,51,54,56,74                            |     |                  |               |        |      |        | DIFF.      | 261    | 20            |           |
|                |  | 7   | NON-AI DAUGHTERS | 12            | 7,607  | 5.4  | 411    | 17         | 7,841  | 407           |           |
|                |  | 7   | WITH HERD-MATES  | 12            | 7,607  | 5.4  | 411    | DIFF.      | 234-   | 4             |           |
| 563279         | .....  |     |                  |               |        |      |        |            |        |               |           |
|                |  | 5   | NON-AI DAUGHTERS | 9             | 8,068  | 5.5  | 444    |            |        |               |           |
| STATES-        | 42   | 5   | WITH HERD-MATES  | 9             | 8,068  | 5.5  | 444    | 7          | 7,648  | 415           |           |
|                |  |     |                  |               |        |      |        | DIFF.      | 420    | 29            |           |
| 563328         | .....  |     |                  |               |        |      |        |            |        |               |           |
|                |  | 11  | NON-AI DAUGHTERS | 20            | 7,786  | 5.2  | 407    |            |        |               |           |
| STATES-        | 12,13  | 11  | WITH HERD-MATES  | 20            | 7,786  | 5.2  | 407    | 25         | 8,240  | 419           |           |
|                |  |     |                  |               |        |      |        | DIFF.      | 454-   | 12-           |           |
| 563414         | BRUCE ECLIPSE ADALARD.....                         |     |                  |               |        |      |        |            |        |               |           |
| 09-25-53       | 460497 1709950                                     | 24  | AI DAUGHTERS-22  | 56            | 7,939  | 5.3  | 421    |            |        |               |           |
| AI STUD, 21-01 | LISTED, 05-64                                      | 23  | WITH HERD-MATES  | 51            | 7,825  | 5.3  | 413    | 10         | 8,064  | 418           | 7,911 413 |
| STATES-        | 13,21  |     |                  |               |        |      |        | DIFF.      | 239-   | 5-            |           |
|                |  | 2   | NON-AI DAUGHTERS | 3             | 8,555  | 5.0  | 429    | 16         | 8,415  | 431           |           |
|                |  | 2   | WITH HERD-MATES  | 3             | 8,555  | 5.0  | 429    | DIFF.      | 140    | 2-            |           |

## SIRE OF OHIA DAUGHTERS

| JERSEY   |                                  |         |                  | AV. RECORDS      | PRODUCTION OF MILK |        |     | DAU. TEST % | FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|----------|----------------------------------|---------|------------------|------------------|--------------------|--------|-----|-------------|--------|-----------------|--------------------|------------|-------------------|------------|
| 563432   | .....                            |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| STATES-  | 31                               | 8       | NON-AI DAUGHTERS | 8                | 5,454              | 5.6    | 307 |             |        | 6               | 8,009              | 437        |                   |            |
|          |                                  | 8       | WITH HERD-MATES  | 8                | 5,454              | 5.6    | 307 |             |        | DIFF.           | 2555-              | 130-       |                   |            |
| 563446   | SHADELS JESTER MOLLY.....        |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 09-19-54 | 540147                           | 2000983 | 8                | NON-AI DAUGHTERS | 16                 | 8,941  | 5.4 | 483         |        | 14              | 8,774              | 468        |                   |            |
|          | LISTED,                          | 08-62   | 8                | WITH HERD-MATES  | 16                 | 8,941  | 5.4 | 483         |        | DIFF.           | 167                | 15         |                   |            |
| STATES-  | 35                               |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 563520   | MIRACLES DOUBLE STANDARD.....    |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 12-10-54 | 557472                           | 1537643 | 29               | NON-AI DAUGHTERS | 61                 | 8,080  | 5.5 | 442         |        | 13              | 9,151              | 495        |                   |            |
|          | LISTED,                          | 08-62   | 29               | WITH HERD-MATES  | 61                 | 8,080  | 5.5 | 442         |        | DIFF.           | 1071-              | 53-        |                   |            |
| STATES-  | 93                               |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 563729   | BLANCHE PIERRE DREAM 80AT.....   |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 11-06-54 | 010008425                        | 2036473 | 9                | NON-AI DAUGHTERS | 10                 | 9,389  | 5.0 | 467         |        |                 |                    |            |                   |            |
|          | LISTED,                          | 03-64   | 9                | WITH HERD-MATES  | 10                 | 9,389  | 5.0 | 467         |        | 26              | 8,921              | 473        |                   |            |
| STATES-  | 91                               |         |                  |                  |                    |        |     |             |        | DIFF.           | 468                | 6-         |                   |            |
| 563805   | MARLU MILESTONE.....             |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 08-23-54 | 506147                           | 1726368 | 57               | NON-AI DAUGHTERS | 101                | 10,055 | 5.5 | 549         |        |                 |                    |            |                   |            |
| AI STUD, | 33-03                            | LISTED, | 57               | WITH HERD-MATES  | 100                | 10,053 | 5.5 | 549         |        | 20              | 8,998              | 475        |                   |            |
| STATES-  | 13,14,16,21,22,23,31,            |         |                  |                  |                    |        |     |             |        | DIFF.           | 1055               | 74         |                   |            |
|          | 32,33,34,41,42,43,52,54,55,56,   |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
|          | 58,63,65,73,74,86,93             |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 563813   | FAVORITE ADVANCERS TRISTRAM..... |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 02-03-55 | 493165                           | 1636078 | 31               | NON-AI DAUGHTERS | 57                 | 11,791 | 5.5 | 654         |        |                 |                    |            |                   |            |
| AI STUD, | 33-03                            | LISTED, | 31               | WITH HERD-MATES  | 57                 | 11,791 | 5.5 | 654         |        | 54              | 10,764             | 579        |                   |            |
| STATES-  | 13,14,21                         |         |                  |                  |                    |        |     |             |        | DIFF.           | 1027               | 75         |                   |            |
| 563818   | BELL-S WELCOME VICTORY LAD.....  |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 04-07-54 | 497355                           | 1638578 | 15               | NON-AI DAUGHTERS | 19                 | 10,075 | 5.7 | 574         |        |                 |                    |            |                   |            |
|          | LISTED,                          | 08-63   | 15               | WITH HERD-MATES  | 19                 | 10,075 | 5.7 | 574         |        | 19              | 9,689              | 530        |                   |            |
| STATES-  | 74                               |         |                  |                  |                    |        |     |             |        | DIFF.           | 386                | 44         |                   |            |
| 563859   | BEACON CHERRY NOBLE.....         |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 11-08-54 | 497977                           | 1439243 | 16               | NON-AI DAUGHTERS | 20                 | 6,762  | 5.3 | 361         |        |                 |                    |            |                   |            |
|          | LISTED,                          | 01-63   | 16               | WITH HERD-MATES  | 19                 | 6,737  | 5.4 | 361         |        | 15              | 6,623              | 363        |                   |            |
| STATES-  | 52,56,57,63                      |         |                  |                  |                    |        |     |             |        | DIFF.           | 114                | 2-         |                   |            |
| 563881   | GIVIA HUSSY NOTED PINN.....      |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 10-26-54 | 476495                           | 1705226 | 25               | NON-AI DAUGHTERS | 59                 | 7,706  | 5.3 | 412         |        |                 |                    |            |                   |            |
|          | LISTED,                          | 08-62   | 25               | WITH HERD-MATES  | 59                 | 7,706  | 5.3 | 412         |        | 12              | 8,432              | 455        |                   |            |
| STATES-  | 32                               |         |                  |                  |                    |        |     |             |        | DIFF.           | 726-               | 43-        |                   |            |
| 563894   | .....                            |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| STATES-  | 16                               | 5       | NON-AI DAUGHTERS | 6                | 7,359              | 5.3    | 392 |             |        | 6               | 8,341              | 442        |                   |            |
|          |                                  | 5       | WITH HERD-MATES  | 6                | 7,359              | 5.3    | 392 |             |        | DIFF.           | 982-               | 50-        |                   |            |
| 563941   | SENTINEL NICHOLAS.....           |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 02-02-55 | 514884                           | 1868594 | 9                | NON-AI DAUGHTERS | 16                 | 11,252 | 5.2 | 582         |        |                 |                    |            |                   |            |
|          | LISTED,                          | 08-62   | 9                | WITH HERD-MATES  | 16                 | 11,252 | 5.2 | 582         |        | 55              | 11,027             | 600        |                   |            |
| STATES-  | 14,21                            |         |                  |                  |                    |        |     |             |        | DIFF.           | 225                | 18-        |                   |            |
| 563945   | SECRET AMBASSADOR.....           |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 03-19-55 | 497574                           | 1345382 | 61               | AI DAUGHTERS-25* | 142                | 8,842  | 4.9 | 433         |        |                 |                    |            |                   |            |
| AI STUD, | 21-01                            | LISTED, | 59               | WITH HERD-MATES  | 137                | 8,802  | 4.9 | 431         |        | 19              | 8,337              | 431        | 8,474             | 417        |
| STATES-  | 13,21                            |         |                  |                  |                    |        |     |             |        | DIFF.           | 465                |            |                   |            |
| 563955   | TENN. APRIL A. E. 8. LAD.....    |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 12-30-54 | 497098                           | 1647416 | 15               | NON-AI DAUGHTERS | 38                 | 10,088 | 5.3 | 535         |        |                 |                    |            |                   |            |
| AI STUD, | 63-02                            | LISTED, | 15               | WITH HERD-MATES  | 38                 | 10,088 | 5.3 | 535         |        | 41              | 10,131             | 503        |                   |            |
| STATES-  | 63                               |         |                  |                  |                    |        |     |             |        | DIFF.           | 43-                | 32         |                   |            |
| 564002   | BRAMBO AFTERGLOW-S SIGNAL.....   |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 10-26-52 | 468028                           | 1678702 | 42               | NON-AI DAUGHTERS | 77                 | 7,966  | 4.8 | 380         |        |                 |                    |            |                   |            |
|          | LISTED,                          | 08-62   | 42               | WITH HERD-MATES  | 77                 | 7,966  | 4.8 | 380         |        | 17              | 7,492              | 364        |                   |            |
| STATES-  | 64                               |         |                  |                  |                    |        |     |             |        | DIFF.           | 474                | 16         |                   |            |
| 564043   | MARLU FAVORITE MILKMAN.....      |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 09-18-54 | 550331                           | 1535135 | 7                | AI DAUGHTERS-05  | 9                  | 8,065  | 5.6 | 453         |        |                 |                    |            |                   |            |
| AI STUD, | 31-02                            | LISTED, | 7                | WITH HERD-MATES  | 9                  | 8,065  | 5.6 | 453         |        | 8               | 8,750              | 467        | 7,844             | 413        |
| STATES-  | 31                               |         |                  |                  |                    |        |     |             |        | DIFF.           | 685-               | 14-        |                   |            |
|          |                                  |         | 17               | NON-AI DAUGHTERS | 32                 | 8,951  | 5.1 | 459         |        |                 |                    |            |                   |            |
|          |                                  |         | 15               | WITH HERD-MATES  | 30                 | 8,907  | 5.1 | 451         |        | 5               | 8,760              | 428        |                   |            |
|          |                                  |         |                  |                  |                    |        |     |             |        | DIFF.           | 147                | 23         |                   |            |
| 564052   | .....                            |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| STATES-  | 16                               | 15      | NON-AI DAUGHTERS | 39               | 8,778              | 5.4    | 475 |             |        | 16              | 9,105              | 470        |                   |            |
|          |                                  | 14      | WITH HERD-MATES  | 38               | 8,813              | 5.4    | 476 |             |        | DIFF.           | 292-               | 6          |                   |            |
| 564125   | LIBERATORS BASILEUS.....         |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 05-09-54 | 544382                           | 1441635 | 20               | NON-AI DAUGHTERS | 28                 | 9,587  | 5.4 | 517         |        |                 |                    |            |                   |            |
| AI STUD, | 35-75                            | LISTED, | 20               | WITH HERD-MATES  | 28                 | 9,587  | 5.4 | 517         |        | 22              | 9,262              | 500        |                   |            |
| STATES-  | 22,31,32,33,35,65                |         |                  |                  |                    |        |     |             |        | DIFF.           | 325                | 17         |                   |            |
| 564158   | BEACON-S VALIANT X.....          |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 08-22-54 | 553475                           | 1536916 | 27               | NON-AI DAUGHTERS | 45                 | 8,249  | 5.2 | 429         |        |                 |                    |            |                   |            |
|          | LISTED,                          | 08-63   | 27               | WITH HERD-MATES  | 45                 | 8,249  | 5.2 | 429         |        | 10              | 7,819              | 419        |                   |            |
| STATES-  | 23,31,34,41,42                   |         |                  |                  |                    |        |     |             |        | DIFF.           | 430                | 10         |                   |            |
| 564162   | BEACON-S GANGSTER PRINCE.....    |         |                  |                  |                    |        |     |             |        |                 |                    |            |                   |            |
| 10-14-54 | 553475                           | 1421694 | 48               | AI DAUGHTERS-25* | 48                 | 6,894  | 5.2 | 357         |        |                 |                    |            |                   |            |
| AI STUD, | 61-01                            | LISTED, | 47               | WITH HERD-MATES  | 47                 | 6,905  | 5.2 | 357         |        | 13              | 8,002              | 401        | 7,195             | 380        |
| STATES-  | 23,31,33,55,61,63                |         |                  |                  |                    |        |     |             |        | DIFF.           | 1097-              | 44-        |                   |            |
|          |                                  |         | 14               | NON-AI DAUGHTERS | 21                 | 10,956 | 5.1 | 564         |        |                 |                    |            |                   |            |
|          |                                  |         | 14               | WITH HERD-MATES  | 21                 | 10,956 | 5.1 | 564         |        | 25              | 10,154             | 511        |                   |            |
|          |                                  |         |                  |                  |                    |        |     |             |        | DIFF.           | 802                | 53         |                   |            |



| SIREs OF DHIA DAUGHTERS |                                     |           |     | AV. PRODUCTION OF DAU. |      |       |     | ADJ. HERD-MATES |       |       | PREDICTED AV. |           |
|-------------------------|-------------------------------------|-----------|-----|------------------------|------|-------|-----|-----------------|-------|-------|---------------|-----------|
| JERSEY                  |                                     |           |     | RECORDS                | MILK | TEST  | FAT | AV.             | MILK  | FAT   | MILK          | FAT       |
|                         |                                     |           |     | NUMBER                 | LB   | %     | LB  | NUMBER          | LB    | LB    | LB            | LB        |
| 564265                  | TEFFIA-S PRINCE.....                |           |     |                        |      |       |     |                 |       |       |               |           |
| 01-01-55                | 553475                              | 1585455   | 25  | NDN-AI DAUGHTERS       | 44   | 7,930 | 5.3 | 417             |       |       |               |           |
| AI STUD, 33-03          | LISTED, 05-64                       |           | 24  | WITH HERD-MATES        | 43   | 8,113 | 5.3 | 426             | 36    | 8,731 | 440           |           |
| STATES-                 | 41,63,65                            |           |     |                        |      |       |     |                 | DIFF. | 618-  | 14-           |           |
| 564274                  | JESTER STANDARD BASIL BEACDN.....   |           |     |                        |      |       |     |                 |       |       |               |           |
| 01-21-55                | 537582                              | 1823773   | 14  | NDN-AI DAUGHTERS       | 31   | 7,188 | 5.5 | 395             |       |       |               |           |
| AI STUD, 33-03          | LISTED, 08-62                       |           | 14  | WITH HERD-MATES        | 29   | 7,187 | 5.5 | 394             | 5     | 8,262 | 433           |           |
| STATES-                 | 47,48                               |           |     |                        |      |       |     |                 | DIFF. | 1075- | 39-           |           |
| 564357                  | JESTER DRACDNIS EMBLEM.....         |           |     |                        |      |       |     |                 |       |       |               |           |
| 02-05-55                | 448354                              | 1458027   | 13  | NDN-AI DAUGHTERS       | 19   | 8,139 | 5.5 | 446             |       |       |               |           |
| AI STUD, 33-03          | LISTED, 08-63                       |           | 13  | WITH HERD-MATES        | 19   | 8,139 | 5.5 | 446             | 31    | 8,984 | 469           |           |
| STATES-                 | 14,21,31,35,43,56,57,63,72          |           |     |                        |      |       |     |                 | DIFF. | 845-  | 23-           |           |
| 564405                  | RDYAL COMMANDD DUKE.....            |           |     |                        |      |       |     |                 |       |       |               |           |
| 05-05-54                | 476144                              | 1753053   | 4   | AI DAUGHTERS-03        |      |       |     |                 |       |       |               |           |
| AI STUD, 61-01          | LISTED, 08-62                       |           | 4   | WITH HERD-MATES        |      |       |     |                 |       |       |               |           |
| STATES-                 | 61                                  |           |     |                        |      |       |     |                 |       |       |               |           |
|                         |                                     |           | 33  | NDN-AI DAUGHTERS       | 55   | 7,462 | 5.3 | 397             |       |       |               |           |
|                         |                                     |           | 33  | WITH HERD-MATES        | 55   | 7,462 | 5.3 | 397             | 8     | 8,631 | 440           |           |
|                         |                                     |           |     |                        |      |       |     |                 | DIFF. | 1169- | 43-           |           |
| 564654                  | TRISTRAM BASIL BRAVD.....           |           |     |                        |      |       |     |                 |       |       |               |           |
| 06-19-54                | 435991                              | 1223303   | 1   | AI DAUGHTERS-01        |      |       |     |                 |       |       |               |           |
| AI STUD, 72-01          | LISTED, 05-64                       |           | 1   | WITH HERD-MATES        |      |       |     |                 |       |       |               |           |
| STATES-                 | 57,72                               |           |     |                        |      |       |     |                 |       |       |               |           |
|                         |                                     |           | 15  | NDN-AI DAUGHTERS       | 23   | 9,172 | 4.9 | 453             |       |       |               |           |
|                         |                                     |           | 14  | WITH HERD-MATES        | 21   | 9,139 | 5.0 | 455             | 16    | 8,485 | 438           |           |
|                         |                                     |           |     |                        |      |       |     |                 | DIFF. | 654   | 17            |           |
| 564704                  | SYBIL BEAU BUDDY.....               |           |     |                        |      |       |     |                 |       |       |               |           |
| 12-23-54                | 539742                              | 1373953   | 20  | NDN-AI DAUGHTERS       | 20   | 7,765 | 5.1 | 393             |       |       |               |           |
| AI STUD, 72-01          | LISTED, 03-64                       |           | 20  | WITH HERD-MATES        | 20   | 7,765 | 5.1 | 393             | 16    | 7,484 | 380           |           |
| STATES-                 | 63                                  |           |     |                        |      |       |     |                 | DIFF. | 281   | 13            |           |
| 564809                  | VAUGHNLAND GLDRYS LDUIS.....        |           |     |                        |      |       |     |                 |       |       |               |           |
| 05-06-54                | 450301                              | 1848489   | 9   | NDN-AI DAUGHTERS       | 17   | 8,683 | 5.1 | 440             |       |       |               |           |
| AI STUD, 61-01          | LISTED, 08-62                       |           | 8   | WITH HERD-MATES        | 16   | 8,693 | 5.1 | 440             | 18    | 8,930 | 474           |           |
| STATES-                 | 82,92                               |           |     |                        |      |       |     |                 | DIFF. | 237-  | 34-           |           |
| 564812                  | SUPER8 DUSTAN.....                  |           |     |                        |      |       |     |                 |       |       |               |           |
| 01-11-55                | 541555                              | 1840039   | 34  | NDN-AI DAUGHTERS       | 69   | 9,320 | 4.8 | 446             |       |       |               |           |
| AI STUD, 61-01          | LISTED, 08-63                       |           | 33  | WITH HERD-MATES        | 68   | 9,387 | 4.8 | 449             | 20    | 8,275 | 402           |           |
| STATES-                 | 74                                  |           |     |                        |      |       |     |                 | DIFF. | 1112  | 47            |           |
| 564830                  | R. C. D. C. BASIL WORLD RECDRD..... |           |     |                        |      |       |     |                 |       |       |               |           |
| 02-01-55                | 486937                              | 1720459   | 17  | AI DAUGHTERS-11        | 23   | 7,220 | 5.4 | 391             |       |       |               |           |
| AI STUD, 65-02          | LISTED, 05-64                       |           | 17  | WITH HERD-MATES        | 23   | 7,220 | 5.4 | 391             | 23    | 7,747 | 406           | 7,742 407 |
| STATES-                 | 64,65,74,85                         |           |     |                        |      |       |     |                 | DIFF. | 527-  | 15-           |           |
|                         |                                     |           | 18  | NON-AI DAUGHTERS       | 30   | 8,046 | 5.2 | 422             |       |       |               |           |
|                         |                                     |           | 18  | WITH HERD-MATES        | 30   | 8,046 | 5.2 | 422             | 10    | 7,869 | 404           |           |
|                         |                                     |           |     |                        |      |       |     |                 | DIFF. | 177   | 18            |           |
| 564878                  | DESIGN DOUBLE VALIANT BASIL.....    |           |     |                        |      |       |     |                 |       |       |               |           |
| 07-01-54                | 535756                              | 1668216   | 9   | NDN-AI DAUGHTERS       | 10   | 7,822 | 5.2 | 406             |       |       |               |           |
| AI STUD, 61-01          | LISTED, 11-63                       |           | 9   | WITH HERD-MATES        | 10   | 7,822 | 5.2 | 406             | 9     | 7,538 | 383           |           |
| STATES-                 | 31                                  |           |     |                        |      |       |     |                 | DIFF. | 284   | 23            |           |
| 564943                  | .....                               |           |     |                        |      |       |     |                 |       |       |               |           |
|                         |                                     |           | 14  | NDN-AI DAUGHTERS       | 21   | 6,518 | 5.6 | 363             |       |       |               |           |
| STATES-                 | 23,31,32,54                         |           | 14  | WITH HERD-MATES        | 21   | 6,518 | 5.6 | 363             | 12    | 8,035 | 424           |           |
|                         |                                     |           |     |                        |      |       |     |                 | DIFF. | 1517- | 61-           |           |
| 564968                  | JESSOMA DREAMY-S BASILEUS.....      |           |     |                        |      |       |     |                 |       |       |               |           |
| 01-05-52                | 522582                              | 010180100 | 19  | NON-AI DAUGHTERS       | 20   | 7,571 | 5.5 | 420             |       |       |               |           |
| AI STUD, 61-01          | LISTED, 11-63                       |           | 19  | WITH HERD-MATES        | 20   | 7,571 | 5.5 | 420             | 5     | 8,486 | 439           |           |
| STATES-                 | 41                                  |           |     |                        |      |       |     |                 | DIFF. | 915-  | 19-           |           |
| 565027                  | CHAMPIDNS SULTAN.....               |           |     |                        |      |       |     |                 |       |       |               |           |
| 02-22-55                | 519828                              | 1823982   | 2   | AI DAUGHTERS-02        |      |       |     |                 |       |       |               |           |
| AI STUD, 61-01          | LISTED, 05-64                       |           | 2   | WITH HERD-MATES        |      |       |     |                 |       |       |               |           |
| STATES-                 | 61,88,91,92,93                      |           |     |                        |      |       |     |                 |       |       |               |           |
|                         |                                     |           | 19  | NDN-AI DAUGHTERS       | 40   | 8,517 | 5.5 | 466             |       |       |               |           |
|                         |                                     |           | 19  | WITH HERD-MATES        | 40   | 8,517 | 5.5 | 466             | 23    | 9,412 | 496           |           |
|                         |                                     |           |     |                        |      |       |     |                 | DIFF. | 895-  | 30-           |           |
| 565028                  | CHAMPIDN-S TRIUMPH.....             |           |     |                        |      |       |     |                 |       |       |               |           |
| 04-09-55                | 519828                              | 1912145   | 137 | AI DAUGHTERS-25*       | 169  | 8,147 | 5.3 | 428             |       |       |               |           |
| AI STUD, 52-01          | LISTED, 03-64                       |           | 132 | WITH HERD-MATES        | 163  | 8,190 | 5.3 | 432             | 28    | 8,485 | 442           | 7,836 410 |
| STATES-                 | 51,52,54,82,92                      |           |     |                        |      |       |     |                 | DIFF. | 295-  | 10-           |           |
|                         |                                     |           | 4   | NDN-AI DAUGHTERS       | 6    | 8,918 | 5.4 | 479             |       |       |               |           |
|                         |                                     |           | 4   | WITH HERD-MATES        | 6    | 8,918 | 5.4 | 479             | 66    | 9,351 | 510           |           |
|                         |                                     |           |     |                        |      |       |     |                 | DIFF. | 433-  | 31-           |           |
| 565075                  | CREAMDATA BASILEUS.....             |           |     |                        |      |       |     |                 |       |       |               |           |
| 02-02-54                | 463756                              | 1709611   | 11  | NDN-AI DAUGHTERS       | 12   | 7,842 | 5.2 | 404             |       |       |               |           |
| AI STUD, 63-01          | LISTED, 05-64                       |           | 11  | WITH HERD-MATES        | 12   | 7,842 | 5.2 | 404             | 56    | 8,285 | 413           |           |
| STATES-                 | 57,63                               |           |     |                        |      |       |     |                 | DIFF. | 443-  | 9-            |           |
| 565148                  | THDMAS RDYAL JESTER BASIL.....      |           |     |                        |      |       |     |                 |       |       |               |           |
| 09-20-54                | 460676                              | 1829803   | 18  | NON-AI DAUGHTERS       | 25   | 8,052 | 5.1 | 413             |       |       |               |           |
| AI STUD, 63-01          | LISTED, 08-63                       |           | 17  | WITH HERD-MATES        | 24   | 7,996 | 5.1 | 409             | 12    | 8,269 | 412           |           |
| STATES-                 | 32                                  |           |     |                        |      |       |     |                 | DIFF. | 273-  | 3-            |           |
| 565269                  | .....                               |           |     |                        |      |       |     |                 |       |       |               |           |
|                         |                                     |           | 5   | NDN-AI DAUGHTERS       | 8    | 8,140 | 5.4 | 436             |       |       |               |           |
| STATES-                 | 92                                  |           | 5   | WITH HERD-MATES        | 8    | 8,140 | 5.4 | 436             | 7     | 9,132 | 482           |           |
|                         |                                     |           |     |                        |      |       |     |                 | DIFF. | 992-  | 46-           |           |
| 565303                  | BEACON GOLDEN JESTER.....           |           |     |                        |      |       |     |                 |       |       |               |           |
| 05-24-54                | 553475                              | 1652667   | 14  | AI DAUGHTERS-10        | 14   | 6,212 | 5.2 | 326             |       |       |               |           |
| AI STUD, 34-01          | LISTED, 05-64                       |           | 12  | WITH HERD-MATES        | 12   | 6,797 | 5.3 | 358             | 7     | 7,966 | 410           | 7,476 389 |
| STATES-                 | 34,35,42,48,55                      |           |     |                        |      |       |     |                 | DIFF. | 1169- | 52-           |           |
|                         |                                     |           | 70  | NON-AI DAUGHTERS       | 134  | 8,865 | 5.2 | 462             |       |       |               |           |
|                         |                                     |           | 70  | WITH HERD-MATES        | 134  | 8,865 | 5.2 | 462             | 30    | 8,709 | 450           |           |
|                         |                                     |           |     |                        |      |       |     |                 | DIFF. | 156   | 12            |           |

## SIREs OF DHIA DAUGHTERS

| SIRE OF DATA DAUGHTER |  |     |                  | AV. RECD RDS | PRODUCTION OF MILK L8 | OF TEST % | DAU. FAT L8 | ADJ. AV. NUM8ER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|-----------------------|--|-----|------------------|--------------|-----------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| JERSEY                |  |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 565313                | MILKMAN BASIL.....                     |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 05-21-55              | 550331 1669239                         | 13  | NDN-AI DAUGHTERS | 19           | 8,506                 | 5.5       | 464         |                 |                    |            |                   |            |
| AI STUD, 63-02        | LISTED, 05-64                          | 13  | WITH HERD-MATES  | 19           | 8,506                 | 5.5       | 464         | 10              | 8,642              | 449        |                   |            |
| STATES-               | 61,63                                  |     |                  |              |                       |           |             | DIFF.           | 136-               | 15         |                   |            |
| 565396                | MARSHALLS PINNACLE.....                |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 05-29-54              | 535140 1775007                         | 20  | NDN-AI DAUGHTERS | 45           | 8,203                 | 4.8       | 392         |                 |                    |            |                   |            |
|                       | LISTED, 08-62                          | 20  | WITH HERD-MATES  | 45           | 8,203                 | 4.8       | 392         | 15              | 8,963              | 440        |                   |            |
| STATES-               | 14,16,21,23,41,58,63                   |     |                  |              |                       |           |             | DIFF.           | 760-               | 48-        |                   |            |
| 565440                | NICDTINE JESTER SLEEPER.....           |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 05-04-55              | 537802 1615684                         | 10  | NDN-AI DAUGHTERS | 18           | 7,587                 | 5.1       | 385         |                 |                    |            |                   |            |
|                       | LISTED, 08-62                          | 10  | WITH HERD-MATES  | 18           | 7,587                 | 5.1       | 385         | 27              | 7,608              | 380        |                   |            |
| STATES-               | 56,58,63                               |     |                  |              |                       |           |             | DIFF.           | 21-                | 5          |                   |            |
| 565443                | .....                                  |     |                  |              |                       |           |             |                 |                    |            |                   |            |
|                       |  | 7   | NON-AI DAUGHTERS | 8            | 4,858                 | 5.1       | 246         |                 |                    |            |                   |            |
| STATES-               | 56                                     | 6   | WITH HERD-MATES  | 6            | 4,692                 | 5.2       | 242         | 13              | 6,290              | 318        |                   |            |
|                       |  |     |                  |              |                       |           |             | DIFF.           | 1598-              | 76-        |                   |            |
| 565481                | .....                                  |     |                  |              |                       |           |             |                 |                    |            |                   |            |
|                       |  | 11  | NDN-AI DAUGHTERS | 15           | 7,501                 | 5.2       | 393         |                 |                    |            |                   |            |
| STATES-               | 42                                     | 11  | WITH HERD-MATES  | 15           | 7,501                 | 5.2       | 393         | 7               | 7,815              | 439        |                   |            |
|                       |  |     |                  |              |                       |           |             | DIFF.           | 314-               | 46-        |                   |            |
| 565584                | FRASER JESTER BETTY DXFORD.....        |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 09-25-54              | 476453 1487748                         | 17  | AI DAUGHTERS-05  | 39           | 10,848                | 4.9       | 534         |                 |                    |            |                   |            |
| AI STUD, 93-01        | LISTED, 05-64                          | 17  | WITH HERD-MATES  | 39           | 10,848                | 4.9       | 534         | 14              | 10,849             | 533        | 8,227             | 424        |
| STATES-               | 93                                     |     |                  |              |                       |           |             | DIFF.           | 1-                 | 1          |                   |            |
| 565741                | SIGNAL ADVANCER.....                   |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 04-09-55              | 493165 1868502                         | 145 | AI DAUGHTERS-25* | 232          | 9,059                 | 5.0       | 450         |                 |                    |            |                   |            |
| AI STUD, 92-01        | LISTED, 05-64                          | 131 | WITH HERD-MATES  | 216          | 8,941                 | 5.0       | 449         | 22              | 8,970              | 463        | 8,122             | 408        |
| STATES-               | 91,92                                  |     |                  |              |                       |           |             | DIFF.           | 29-                | 14-        |                   |            |
|                       |  | 5   | NON-AI DAUGHTERS | 10           | 7,654                 | 5.1       | 391         |                 |                    |            |                   |            |
|                       |  | 4   | WITH HERD-MATES  | 8            | 7,905                 | 5.3       | 416         | 47              | 8,455              | 435        |                   |            |
|                       |  |     |                  |              |                       |           |             | DIFF.           | 550-               | 19-        |                   |            |
| 565986                | SPARKLING SENTRY.....                  |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 06-23-55              | 473472 1539419                         | 27  | NON-AI DAUGHTERS | 51           | 4,951                 | 5.9       | 291         |                 |                    |            |                   |            |
|                       | LISTED, 08-63                          | 27  | WITH HERD-MATES  | 51           | 4,951                 | 5.9       | 291         | 15              | 6,369              | 334        |                   |            |
| STATES-               | 21                                     |     |                  |              |                       |           |             | DIFF.           | 1418-              | 43-        |                   |            |
| 565987                | SPARKLING PAR EXCELLENCE.....          |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 08-01-55              | 473472 1503362                         | 17  | NDN-AI DAUGHTERS | 37           | 8,872                 | 5.8       | 512         |                 |                    |            |                   |            |
| AI STUD, 41-25        | LISTED, 05-64                          | 17  | WITH HERD-MATES  | 36           | 8,806                 | 5.8       | 510         | 12              | 7,924              | 434        |                   |            |
| STATES-               | 41,42                                  |     |                  |              |                       |           |             | DIFF.           | 882                | 76         |                   |            |
| 565999                | O JOHNNY OS LUCY VICTORY ADVANCER..... |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 04-17-55              | 512545 1417090                         | 16  | NDN-AI DAUGHTERS | 20           | 6,958                 | 4.8       | 333         |                 |                    |            |                   |            |
|                       | LISTED, 08-62                          | 15  | WITH HERD-MATES  | 19           | 6,945                 | 4.8       | 333         | 11              | 7,436              | 372        |                   |            |
| STATES-               | 31                                     |     |                  |              |                       |           |             | DIFF.           | 491-               | 39-        |                   |            |
| 566146                | CHALLENGER-S LILAC LAD.....            |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 01-14-55              | 553682 1999221                         | 12  | NDN-AI DAUGHTERS | 14           | 9,538                 | 5.3       | 504         |                 |                    |            |                   |            |
|                       | LISTED, 11-63                          | 12  | WITH HERD-MATES  | 14           | 9,538                 | 5.3       | 504         | 50              | 9,284              | 493        |                   |            |
| STATES-               | 23                                     |     |                  |              |                       |           |             | DIFF.           | 254                | 11         |                   |            |
| 566264                | SPARKLE SUPER8.....                    |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 03-24-55              | 506147 1604255                         | 18  | NON-AI DAUGHTERS | 36           | 9,607                 | 5.5       | 528         |                 |                    |            |                   |            |
| AI STUD, 35-02        | LISTED, 05-64                          | 18  | WITH HERD-MATES  | 36           | 9,607                 | 5.5       | 528         | 23              | 9,107              | 487        |                   |            |
| STATES-               | 13,21,31,34,35,56                      |     |                  |              |                       |           |             | DIFF.           | 500                | 41         |                   |            |
| 566269                | RUSHLIGHTS JESTER.....                 |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 12-13-54              | 488392 1779433                         | 10  | NDN-AI DAUGHTERS | 18           | 8,598                 | 4.9       | 425         |                 |                    |            |                   |            |
|                       | LISTED, 08-62                          | 10  | WITH HERD-MATES  | 18           | 8,598                 | 4.9       | 425         | 5               | 8,406              | 423        |                   |            |
| STATES-               | 31,61                                  |     |                  |              |                       |           |             | DIFF.           | 192                | 2          |                   |            |
| 566355                | DESIGN-S VICTORIOUS PRIDE.....         |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 01-07-55              | 504320 1727139                         | 8   | NDN-AI DAUGHTERS | 19           | 7,577                 | 4.9       | 370         |                 |                    |            |                   |            |
|                       | LISTED, 01-63                          | 8   | WITH HERD-MATES  | 19           | 7,577                 | 4.9       | 370         | 8               | 8,000              | 400        |                   |            |
| STATES-               | 31,32                                  |     |                  |              |                       |           |             | DIFF.           | 423-               | 30-        |                   |            |
| 566463                | VALIANT MAJESTY AIM.....               |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 01-20-53              | 441308 1859751                         | 9   | NDN-AI DAUGHTERS | 17           | 6,602                 | 4.9       | 322         |                 |                    |            |                   |            |
|                       | LISTED, 08-62                          | 9   | WITH HERD-MATES  | 17           | 6,602                 | 4.9       | 322         | 8               | 7,256              | 356        |                   |            |
| STATES-               | 32                                     |     |                  |              |                       |           |             | DIFF.           | 654-               | 34-        |                   |            |
| 566621                | .....                                  |     |                  |              |                       |           |             |                 |                    |            |                   |            |
|                       |  | 5   | NDN-AI DAUGHTERS | 5            | 5,576                 | 4.8       | 268         |                 |                    |            |                   |            |
| STATES-               | 33                                     | 4   | WITH HERD-MATES  | 4            | 6,033                 | 4.6       | 277         | 5               | 7,106              | 366        |                   |            |
|                       |  |     |                  |              |                       |           |             | DIFF.           | 1073-              | 89-        |                   |            |
| 566774                | WINDSOME ASHLEY DESIGNER.....          |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 05-30-55              | 550252 1774844                         | 32  | NON-AI DAUGHTERS | 61           | 8,861                 | 5.1       | 450         |                 |                    |            |                   |            |
|                       | LISTED, 08-62                          | 32  | WITH HERD-MATES  | 61           | 8,861                 | 5.1       | 450         | 9               | 8,856              | 456        |                   |            |
| STATES-               | 33,42                                  |     |                  |              |                       |           |             | DIFF.           | 5                  | 6-         |                   |            |
| 566813                | SPARKLING TRISTRAM CMDMANDD.....       |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 09-13-53              | 452066 1731315                         | 18  | NDN-AI DAUGHTERS | 37           | 8,202                 | 5.2       | 427         |                 |                    |            |                   |            |
|                       | LISTED, 08-62                          | 18  | WITH HERD-MATES  | 37           | 8,202                 | 5.2       | 427         | 13              | 8,665              | 444        |                   |            |
| STATES-               | 92                                     |     |                  |              |                       |           |             | DIFF.           | 463-               | 17-        |                   |            |
| 566820                | .....                                  |     |                  |              |                       |           |             |                 |                    |            |                   |            |
|                       |  | 6   | NDN-AI DAUGHTERS | 6            | 7,647                 | 5.3       | 408         |                 |                    |            |                   |            |
| STATES-               | 64                                     | 5   | WITH HERD-MATES  | 5            | 8,602                 | 5.4       | 467         | 22              | 8,207              | 426        |                   |            |
|                       |  |     |                  |              |                       |           |             | DIFF.           | 395                | 41         |                   |            |
| 566825                | BRAMPTON BELMONT ROSE DREAMER.....     |     |                  |              |                       |           |             |                 |                    |            |                   |            |
| 04-20-55              | 558907 1357200                         | 12  | NDN-AI DAUGHTERS | 15           | 7,118                 | 5.3       | 379         |                 |                    |            |                   |            |
|                       | LISTED, 11-63                          | 12  | WITH HERD-MATES  | 15           | 7,118                 | 5.3       | 379         | 23              | 7,441              | 381        |                   |            |
| STATES-               | 57,64,74                               |     |                  |              |                       |           |             | DIFF.           | 323-               | 2-         |                   |            |

## SIREs OF DHIA DAUGHTERS

| JERSEY  |     |                  |     |        | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |            |           | PREDICTED AV. |           |
|---|-----|------------------|-----|--------|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|   |     |                  |     |        | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 567009 CHAMPIONS LEADER.....                      |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 04-04-55 519828 1912149                           | 9   | NDN-AI DAUGHTERS | 14  | 8,683  | 5.6                    | 484        |           |           |                     |            |           |               |           |
| AI STUD, 35-02 LISTED, 05-64                      | 9   | WITH HERD-MATES  | 14  | 8,683  | 5.6                    | 484        |           |           | 4                   | 8,292      | 459       |               |           |
| STATES- 43  |     |                  |     |        |                        |            |           |           | DIFF.               | 391        | 25        |               |           |
| 567063 MARLU TALISMAN COMMANDD.....               |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 03-12-55 457631 1983659                           | 50  | AI DAUGHTERS-21  | 89  | 7,978  | 5.0                    | 400        |           |           |                     |            |           |               |           |
| AI STUD, 65-02 LISTED, 05-64                      | 45  | WITH HERD-MATES  | 82  | 8,107  | 5.0                    | 407        |           |           | 20                  | 7,892      | 396       | 8,220         | 423       |
| STATES- 21,23,51,61,65                            |     |                  |     |        |                        |            |           |           | DIFF.               | 215        | 11        |               |           |
|   | 11  | NON-AI DAUGHTERS | 35  | 8,522  | 5.1                    | 437        |           |           |                     |            |           |               |           |
|   | 11  | WITH HERD-MATES  | 35  | 8,522  | 5.1                    | 437        |           |           | 23                  | 8,576      | 443       |               |           |
|   |     |                  |     |        |                        |            |           |           | DIFF.               | 54-        | 6-        |               |           |
| 567064 MARLU CLED COMMANDD.....                   |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 03-19-55 457631 1465209                           | 165 | AI DAUGHTERS-25* | 295 | 8,057  | 5.4                    | 439        |           |           |                     |            |           |               |           |
| AI STUD, 23-04 LISTED, 05-64                      | 161 | WITH HERD-MATES  | 281 | 8,069  | 5.4                    | 439        |           |           | 14                  | 8,290      | 436       | 7,881         | 421       |
| STATES- 21,23                                     |     |                  |     |        |                        |            |           |           | DIFF.               | 221-       | 3         |               |           |
| 567065 MARLU JESTER COMMANDD.....                 |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 05-06-55 457631 1541983                           | 20  | AI DAUGHTERS-09  | 38  | 7,615  | 5.1                    | 392        |           |           |                     |            |           |               |           |
| AI STUD, 72-01 LISTED, 05-64                      | 20  | WITH HERD-MATES  | 38  | 7,615  | 5.1                    | 392        |           |           | 16                  | 7,992      | 404       | 7,828         | 408       |
| STATES- 72  |     |                  |     |        |                        |            |           |           | DIFF.               | 377-       | 12-       |               |           |
| 567098 MAMES BARDNET LAD.....                     |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 12-24-54 488181 1440308                           | 18  | NDN-AI DAUGHTERS | 43  | 8,587  | 5.8                    | 500        |           |           |                     |            |           |               |           |
| STATES- 33  | 18  | WITH HERD-MATES  | 43  | 8,587  | 5.8                    | 500        |           |           | 8                   | 8,449      | 442       |               |           |
|   |     |                  |     |        |                        |            |           |           | DIFF.               | 138        | 58        |               |           |
| 567122 STANDARD VOLUNTEER DANDY ENVYD.....        |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 12-12-54 48459 1604397                            | 31  | NDN-AI DAUGHTERS | 69  | 9,174  | 5.2                    | 481        |           |           |                     |            |           |               |           |
| AI STUD, 35-75 LISTED, 05-64                      | 31  | WITH HERD-MATES  | 68  | 9,154  | 5.2                    | 479        |           |           | 10                  | 8,427      | 437       |               |           |
| STATES- 41  |     |                  |     |        |                        |            |           |           | DIFF.               | 727        | 42        |               |           |
| 567143 DESIGNER HEIR ROYAL.....                   |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 01-17-55 517081 1672382                           | 8   | NDN-AI DAUGHTERS | 13  | 6,095  | 4.8                    | 292        |           |           |                     |            |           |               |           |
| STATES- 32  | 8   | WITH HERD-MATES  | 13  | 6,095  | 4.8                    | 292        |           |           | 14                  | 6,506      | 317       |               |           |
|   |     |                  |     |        |                        |            |           |           | DIFF.               | 411-       | 25-       |               |           |
| 567241 GENTLEMAN JIM.....                         |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 03-30-55 457631 1743569                           | 16  | NDN-AI DAUGHTERS | 23  | 9,202  | 5.4                    | 495        |           |           |                     |            |           |               |           |
| STATES- 13,14,16,21,23,51,65                      | 16  | WITH HERD-MATES  | 23  | 9,202  | 5.4                    | 495        |           |           | 18                  | 8,717      | 457       |               |           |
|   |     |                  |     |        |                        |            |           |           | DIFF.               | 485        | 38        |               |           |
| 567287 .....                                      |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| STATES- 42  | 5   | NDN-AI DAUGHTERS | 12  | 8,095  | 4.8                    | 387        |           |           |                     |            |           |               |           |
|   | 4   | WITH HERD-MATES  | 11  | 7,886  | 4.7                    | 374        |           |           | 6                   | 8,104      | 408       |               |           |
|   |     |                  |     |        |                        |            |           |           | DIFF.               | 218-       | 34-       |               |           |
| 567370 MARLU FASHION LEADER.....                  |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 11-13-54 552974 1914089                           | 13  | AI DAUGHTERS-10  | 13  | 7,984  | 5.1                    | 406        |           |           |                     |            |           |               |           |
| AI STUD, 33-03 LISTED, 05-64                      | 13  | WITH HERD-MATES  | 13  | 7,984  | 5.1                    | 406        |           |           | 6                   | 7,484      | 376       | 8,296         | 430       |
| STATES- 13,16,23,33,35,42,43,48,55,61,63,65,71,87 |     |                  |     |        |                        |            |           |           | DIFF.               | 500        | 30        |               |           |
|   | 42  | NON-AI DAUGHTERS | 56  | 10,711 | 5.1                    | 551        |           |           | 14                  | 9,289      | 486       |               |           |
|   | 42  | WITH HERD-MATES  | 55  | 10,653 | 5.2                    | 549        |           |           | DIFF.               | 1364       | 63        |               |           |
| 567389 .....                                      |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| AI STUD, 33-03                                    | 6   | AI DAUGHTERS-06  | 14  | 7,599  | 4.9                    | 374        |           |           |                     |            |           |               |           |
| STATES- 13,14,16,21,23,32,42                      | 5   | WITH HERD-MATES  | 12  | 7,339  | 5.0                    | 364        |           |           | 11                  | 7,654      | 405       | 7,963         | 404       |
|   |     |                  |     |        |                        |            |           |           | DIFF.               | 315-       | 41-       |               |           |
|   | 2   | NON-AI DAUGHTERS | 2   | 6,875  | 5.3                    | 362        |           |           |                     |            |           |               |           |
|   | 2   | WITH HERD-MATES  | 2   | 6,875  | 5.3                    | 362        |           |           | 5                   | 8,252      | 412       |               |           |
|   |     |                  |     |        |                        |            |           |           | DIFF.               | 1377-      | 50-       |               |           |
| 567410 F. ADVANCERS DANDY CHIEF.....              |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 12-08-54 524581 1506365                           | 136 | AI DAUGHTERS-25* | 234 | 9,211  | 5.0                    | 462        |           |           |                     |            |           |               |           |
| AI STUD, 92-01 LISTED, 05-64                      | 131 | WITH HERD-MATES  | 227 | 9,200  | 5.0                    | 463        |           |           | 19                  | 9,119      | 471       | 8,235         | 413       |
| STATES- 14,92                                     |     |                  |     |        |                        |            |           |           | DIFF.               | 81         | 8-        |               |           |
| 567625 .....                                      |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| STATES- 14,21                                     | 12  | NDN-AI DAUGHTERS | 24  | 7,637  | 5.1                    | 389        |           |           |                     |            |           |               |           |
|   | 11  | WITH HERD-MATES  | 23  | 7,937  | 5.0                    | 400        |           |           | 13                  | 8,073      | 424       |               |           |
|   |     |                  |     |        |                        |            |           |           | DIFF.               | 136-       | 24-       |               |           |
| 567664 SHADEWELL VALIANT ENVYD.....               |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 10-18-55 540127 1627253                           | 11  | NDN-AI DAUGHTERS | 13  | 9,470  | 5.1                    | 484        |           |           |                     |            |           |               |           |
| STATES- 13,21                                     | 11  | WITH HERD-MATES  | 13  | 9,470  | 5.1                    | 484        |           |           | 17                  | 9,311      | 478       |               |           |
|   |     |                  |     |        |                        |            |           |           | DIFF.               | 159        | 6         |               |           |
| 567702 LILAC ADVANCER CLEAVELAND.....             |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 12-07-54 496743 1730415                           | 36  | NDN-AI DAUGHTERS | 92  | 8,585  | 5.1                    | 441        |           |           |                     |            |           |               |           |
| STATES- 52,55                                     | 35  | WITH HERD-MATES  | 91  | 8,573  | 5.2                    | 443        |           |           | 23                  | 8,687      | 441       |               |           |
|   |     |                  |     |        |                        |            |           |           | DIFF.               | 114-       | 2         |               |           |
| 567783 COMMANDDS FAVORITE MARDCCD.....            |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 08-10-55 476144 1953209                           | 44  | NDN-AI DAUGHTERS | 88  | 6,550  | 5.0                    | 326        |           |           |                     |            |           |               |           |
| STATES- 61  | 44  | WITH HERD-MATES  | 87  | 6,570  | 5.0                    | 327        |           |           | 8                   | 7,524      | 360       |               |           |
|   |     |                  |     |        |                        |            |           |           | DIFF.               | 954-       | 33-       |               |           |
| 567841 MARLU ADVANCER REPHIA.....                 |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 03-06-55 462656 1858259                           | 17  | NDN-AI DAUGHTERS | 24  | 6,586  | 5.9                    | 388        |           |           |                     |            |           |               |           |
| STATES- 23,31,33                                  | 17  | WITH HERD-MATES  | 24  | 6,586  | 5.9                    | 388        |           |           | 8                   | 8,179      | 433       |               |           |
|   |     |                  |     |        |                        |            |           |           | DIFF.               | 1593-      | 45-       |               |           |
| 567849 JESTER PINNACLE PRINCE.....                |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| 08-13-55 547742 1441574                           | 14  | NDN-AI DAUGHTERS | 21  | 7,489  | 5.7                    | 424        |           |           |                     |            |           |               |           |
| STATES- 31  | 14  | WITH HERD-MATES  | 21  | 7,489  | 5.7                    | 424        |           |           | 21                  | 7,566      | 416       |               |           |
|   |     |                  |     |        |                        |            |           |           | DIFF.               | 77-        | 8         |               |           |
| 567898 .....                                      |     |                  |     |        |                        |            |           |           |                     |            |           |               |           |
| STATES- 82,88,92                                  | 12  | NDN-AI DAUGHTERS | 15  | 9,125  | 5.2                    | 478        |           |           |                     |            |           |               |           |
|   | 12  | WITH HERD-MATES  | 15  | 9,125  | 5.2                    | 478        |           |           | 12                  | 8,924      | 494       |               |           |
|   |     |                  |     |        |                        |            |           |           | DIFF.               | 201        | 16-       |               |           |



## SIRE OF OHIA DAUGHTERS

| JERSEY         |                                       |     |                  | AV. PRODUCTION OF DAU. | ADJ. HERO-MATES AV. | AV. PREOICTED AV. |
|----------------|---------------------------------------|-----|------------------|------------------------|---------------------|-------------------|
|                |                                       |     |                  | RECD RDS MILK TEST FAT | AV. MILK FAT        | MILK FAT          |
|                |                                       |     |                  | NUMBER LB % L8         | NUMBER L8 L8        | L8 L8             |
| 567971         | MARLU COMMAND LAD.....                |     |                  |                        |                     |                   |
| 05-21-55       | 552974 1914092                        | 13  | NDN-AI DAUGHTERS | 13                     | 8,865               | 4.7 417           |
|                | LISTED, 05-64                         | 13  | WITH HERO-MATES  | 13                     | 8,865               | 4.7 417           |
| STATES-        | 65                                    |     |                  |                        | 6                   | 9,187 440         |
|                |                                       |     |                  |                        | DIFF.               | 322- 23-          |
| 567976         | IMP. DESIGNS ROYAL JESTER.....        |     |                  |                        |                     |                   |
| 02-08-45       | 010007594 010055115                   | 9   | NDN-AI DAUGHTERS | 18                     | 7,235               | 5.1 367           |
|                | LISTED, 08-62                         | 7   | WITH HERO-MATES  | 16                     | 7,592               | 5.2 393           |
| STATES-        | 21,33,61,74                           |     |                  |                        | 45                  | 7,758 394         |
|                |                                       |     |                  |                        | DIFF.               | 166- 1-           |
| 568013         | RAOIAN LIFE.....                      |     |                  |                        |                     |                   |
| 10-20-55       | 527757 1558587                        | 10  | NDN-AI DAUGHTERS | 18                     | 8,333               | 5.4 450           |
|                | LISTED, 08-63                         | 10  | WITH HERO-MATES  | 18                     | 8,333               | 5.4 450           |
| STATES-        | 74                                    |     |                  |                        | 19                  | 7,991 399         |
|                |                                       |     |                  |                        | DIFF.               | 342 51            |
| 568033         | HIGH LAWN PROFESSOR.....              |     |                  |                        |                     |                   |
| 11-22-55       | 533617 1751327                        | 11  | NDN-AI DAUGHTERS | 18                     | 11,242              | 5.4 611           |
|                | LISTED, 11-63                         | 11  | WITH HERO-MATES  | 18                     | 11,242              | 5.4 611           |
| STATES-        | 14,21                                 |     |                  |                        | 65                  | 10,996 589        |
|                |                                       |     |                  |                        | DIFF.               | 246 22            |
| 568040         | BASIL ROYAL PLUME HERCULES.....       |     |                  |                        |                     |                   |
| 07-18-55       | 543376 1627533                        | 20  | NDN-AI DAUGHTERS | 43                     | 8,585               | 5.4 464           |
| AI STUD, 51-02 | LISTED, 08-63                         | 20  | WITH HERO-MATES  | 42                     | 8,569               | 5.4 464           |
| STATES-        | 31,51                                 |     |                  |                        | 12                  | 8,653 445         |
|                |                                       |     |                  |                        | DIFF.               | 84- 19            |
| 568042         | VALIANT ROYAL OXFORD AIM.....         |     |                  |                        |                     |                   |
| 11-18-55       | 560563 1831832                        | 14  | NDN-AI DAUGHTERS | 20                     | 6,788               | 5.7 388           |
|                | LISTED, 11-63                         | 14  | WITH HERO-MATES  | 20                     | 6,788               | 5.7 388           |
| STATES-        | 31                                    |     |                  |                        | 12                  | 7,817 444         |
|                |                                       |     |                  |                        | DIFF.               | 1029- 56-         |
| 568060         | .....                                 |     |                  |                        |                     |                   |
|                |                                       | 18  | NON-AI DAUGHTERS | 22                     | 7,701               | 5.7 436           |
| STATES-        | 31                                    | 18  | WITH HERO-MATES  | 22                     | 7,701               | 5.7 436           |
|                |                                       |     |                  |                        | 15                  | 8,187 455         |
|                |                                       |     |                  |                        | DIFF.               | 486- 19-          |
| 568117         | 8EACDN DIAMOND HARVEST.....           |     |                  |                        |                     |                   |
| 02-17-55       | 497977 1714014                        | 26  | NDN-AI DAUGHTERS | 52                     | 8,114               | 4.9 399           |
|                | LISTED, 08-62                         | 26  | WITH HERO-MATES  | 52                     | 8,114               | 4.9 399           |
| STATES-        | 64                                    |     |                  |                        | 28                  | 8,704 417         |
|                |                                       |     |                  |                        | DIFF.               | 590- 18-          |
| 568199         | 8LDNDE ADVANCER ANDY.....             |     |                  |                        |                     |                   |
| 10-01-54       | 496820 1664629                        | 23  | NON-AI DAUGHTERS | 54                     | 9,442               | 5.2 492           |
| AI STUD, 35-05 | LISTED, 05-64                         | 23  | WITH HERO-MATES  | 54                     | 9,442               | 5.2 492           |
| STATES-        | 23,31,72                              |     |                  |                        | 9                   | 8,254 434         |
|                |                                       |     |                  |                        | DIFF.               | 1188 58           |
| 568272         | JESTER W. R. FILLPAIL.....            |     |                  |                        |                     |                   |
| 10-04-55       | 496151 1805265                        | 8   | NON-AI DAUGHTERS | 11                     | 6,858               | 5.3 361           |
|                | LISTED, 08-62                         | 8   | WITH HERO-MATES  | 11                     | 6,858               | 5.3 361           |
| STATES-        | 13,21                                 |     |                  |                        | 11                  | 8,844 464         |
|                |                                       |     |                  |                        | DIFF.               | 1986- 103-        |
| 568327         | FERRYCLIFFE JESTER DREAMER.....       |     |                  |                        |                     |                   |
| 07-02-55       | 555130 1623797                        | 12  | NON-AI DAUGHTERS | 18                     | 8,029               | 5.2 415           |
|                | LISTED, 08-63                         | 12  | WITH HERO-MATES  | 18                     | 8,029               | 5.2 415           |
| STATES-        | 21                                    |     |                  |                        | 13                  | 8,516 431         |
|                |                                       |     |                  |                        | DIFF.               | 487 16-           |
| 568382         | DREAMING CROWN RUSH.....              |     |                  |                        |                     |                   |
| 12-07-55       | 489295 1835603                        | 9   | NON-AI DAUGHTERS | 13                     | 8,342               | 5.0 418           |
|                | LISTED, 01-63                         | 9   | WITH HERO-MATES  | 13                     | 8,342               | 5.0 418           |
| STATES-        | 54                                    |     |                  |                        | 15                  | 8,011 411         |
|                |                                       |     |                  |                        | DIFF.               | 331 7             |
| 568422         | ARRDWHEAD GIPSY CHIEF.....            |     |                  |                        |                     |                   |
| 12-15-55       | 557722 1619815                        | 18  | NON-AI DAUGHTERS | 20                     | 5,686               | 4.5 254           |
|                | LISTED, 03-64                         | 18  | WITH HERO-MATES  | 20                     | 5,686               | 4.5 254           |
| STATES-        | 12                                    |     |                  |                        | 9                   | 6,054 280         |
|                |                                       |     |                  |                        | DIFF.               | 368- 26-          |
| 568565         | Y. BRDDK GOLDEN DREAMER.....          |     |                  |                        |                     |                   |
| 10-05-55       | 494998 1670966                        | 25  | NON-AI DAUGHTERS | 50                     | 6,977               | 5.4 376           |
|                | LISTED, 08-62                         | 23  | WITH HERO-MATES  | 46                     | 7,054               | 5.4 379           |
| STATES-        | 31                                    |     |                  |                        | 8                   | 8,702 452         |
|                |                                       |     |                  |                        | DIFF.               | 1648- 73-         |
| 568657         | VOLUNTEER-S FAUVIC SDN.....           |     |                  |                        |                     |                   |
| 04-08-54       | 506697 1791278                        | 13  | NON-AI DAUGHTERS | 18                     | 9,414               | 5.2 487           |
|                | LISTED, 11-63                         | 13  | WITH HERO-MATES  | 18                     | 9,414               | 5.2 487           |
| STATES-        | 33                                    |     |                  |                        | 7                   | 10,345 560        |
|                |                                       |     |                  |                        | DIFF.               | 931- 73-          |
| 568680         | ETTAS AMBASSADOR.....                 |     |                  |                        |                     |                   |
| 10-09-54       | 545211 1963101                        | 31  | NON-AI DAUGHTERS | 61                     | 8,976               | 5.1 455           |
| AI STUD, 31-01 | LISTED, 05-64                         | 31  | WITH HERO-MATES  | 61                     | 8,976               | 5.1 455           |
| STATES-        | 23,31                                 |     |                  |                        | 14                  | 8,653 453         |
|                |                                       |     |                  |                        | DIFF.               | 323 2             |
| 568798         | COMMANOO-S OXFORD MDROCCO.....        |     |                  |                        |                     |                   |
| 09-16-55       | 476144 1953207                        | 34  | NDN-AI DAUGHTERS | 51                     | 6,248               | 5.0 315           |
|                | LISTED, 08-63                         | 34  | WITH HERO-MATES  | 50                     | 6,278               | 5.0 317           |
| STATES-        | 32,65                                 |     |                  |                        | 5                   | 6,795 336         |
|                |                                       |     |                  |                        | DIFF.               | 517- 19-          |
| 569130         | ADVANCER COMMANDO DANOY STANDARD..... |     |                  |                        |                     |                   |
| 03-09-55       | 513053 1841038                        | 21  | AI DAUGHTERS-11  | 33                     | 7,206               | 5.1 364           |
| AI STUD, 65-02 | LISTED, 05-64                         | 20  | WITH HERO-MATES  | 32                     | 7,069               | 5.0 355           |
| STATES-        | 65,74                                 |     |                  |                        |                     |                   |
|                |                                       | 1   | NON-AI DAUGHTERS | 1                      | 9,380               | 4.6 428           |
|                |                                       | 1   | WITH HERO-MATES  | 1                      | 9,380               | 4.6 428           |
|                |                                       |     |                  |                        | 30                  | 9,378 485         |
|                |                                       |     |                  |                        | DIFF.               | 2 57-             |
| 569149         | RAOARS STANDARD PRIMER.....           |     |                  |                        |                     |                   |
| 04-18-55       | 555846 1616052                        | 10  | AI DAUGHTERS-04  | 14                     | 9,732               | 5.0 482           |
| AI STUD, 93-01 | LISTED, 05-64                         | 8   | WITH HERO-MATES  | 12                     | 8,958               | 5.1 456           |
| STATES-        | 93                                    |     |                  |                        | 12                  | 8,908 463         |
|                |                                       |     |                  |                        | DIFF.               | 50 7-             |
| 569157         | MARLU JESTER SUPREME.....             |     |                  |                        |                     |                   |
| 05-11-55       | 506147 1883661                        | 112 | AI DAUGHTERS-25* | 203                    | 8,252               | 5.0 415           |
| AI STUD, 87-01 | LISTED, 05-64                         | 107 | WITH HERO-MATES  | 196                    | 8,324               | 5.0 419           |
| STATES-        | 82,87,92                              |     |                  |                        | 12                  | 8,431 434         |
|                |                                       |     |                  |                        | DIFF.               | 107- 15-          |
|                |                                       |     |                  |                        |                     | 8,003 404         |

## SIRE OF OHIA DAUGHTERS

| JERSEY         |                                    |    |                  | AV. PRODUCTION OF |        |      |     | ADJ. HERO-MATES |        |     | PREOICTED AV. |     |
|----------------|------------------------------------|----|------------------|-------------------|--------|------|-----|-----------------|--------|-----|---------------|-----|
|                |                                    |    |                  | RECORDS           | MILK   | TEST | FAT | AV.             | MILK   | FAT | MILK          | FAT |
|                |                                    |    |                  | NUMBER            | L8     | %    | L8  | NUMBER          | L8     | L8  | L8            | L8  |
| 569178         | JESTER J. BEACON-S PRINCE.....     |    |                  |                   |        |      |     |                 |        |     |               |     |
| 01-15-56       | 553475 2062780                     | 16 | NON-AI DAUGHTERS | 20                | 8,591  | 4.8  | 410 |                 |        |     |               |     |
|                | LISTED, 08-63                      | 16 | WITH HERD-MATES  | 20                | 8,591  | 4.8  | 410 | 7               | 8,297  | 411 |               |     |
| STATES-        | 31,34                              |    |                  |                   |        |      |     | OIFF.           | 294    | 1-  |               |     |
| 569264         | BRIGHAM HALSEY LATHROP.....        |    |                  |                   |        |      |     |                 |        |     |               |     |
| 12-27-55       | 538479 1909488                     | 17 | NON-AI DAUGHTERS | 17                | 6,759  | 4.9  | 333 |                 |        |     |               |     |
|                | LISTED, 11-63                      | 17 | WITH HERD-MATES  | 17                | 6,759  | 4.9  | 333 | 6               | 6,666  | 330 |               |     |
| STATES-        | 63                                 |    |                  |                   |        |      |     | OIFF.           | 93     | 3   |               |     |
| 569266         | BRIGHAM VOLUNTEER MALCOM.....      |    |                  |                   |        |      |     |                 |        |     |               |     |
| 01-15-56       | 470945 1786148                     | 85 | AI DAUGHTERS-25* | 132               | 9,058  | 5.4  | 486 |                 |        |     |               |     |
| AI STUO, 11-01 | LISTED, 03-64                      | 84 | WITH HERD-MATES  | 130               | 9,029  | 5.4  | 486 | 14              | 8,842  | 458 | 8,297         | 444 |
| STATES-        | 11                                 |    |                  |                   |        |      |     | OIFF.           | 187    | 28  |               |     |
|                |                                    | 18 | NON-AI DAUGHTERS | 50                | 8,980  | 5.5  | 494 |                 |        |     |               |     |
|                |                                    | 18 | WITH HERD-MATES  | 50                | 8,980  | 5.5  | 494 | 25              | 9,285  | 490 |               |     |
|                |                                    |    |                  |                   |        |      |     | OIFF.           | 305-   | 4   |               |     |
| 569270         | BRIGHAM SPARKLING MERLIN.....      |    |                  |                   |        |      |     |                 |        |     |               |     |
| 02-10-56       | 526610 1594638                     | 11 | NON-AI DAUGHTERS | 19                | 9,755  | 5.4  | 523 |                 |        |     |               |     |
|                | LISTED, 08-63                      | 10 | WITH HERD-MATES  | 18                | 9,824  | 5.4  | 529 | 29              | 9,367  | 492 |               |     |
| STATES-        | 12,21,63                           |    |                  |                   |        |      |     | OIFF.           | 457    | 37  |               |     |
| 569344         | CONALAO GOVERNOR.....              |    |                  |                   |        |      |     |                 |        |     |               |     |
| 11-27-54       | 540908 1579915                     | 40 | NON-AI DAUGHTERS | 82                | 10,538 | 4.9  | 518 |                 |        |     |               |     |
| AI STUO, 93-05 | LISTED, 05-64                      | 40 | WITH HERD-MATES  | 82                | 10,538 | 4.9  | 518 | 9               | 9,787  | 508 |               |     |
| STATES-        | 82,84,88,91                        |    |                  |                   |        |      |     | OIFF.           | 751    | 10  |               |     |
| 569441         | FOSTER-S PILOT PROFESSOR.....      |    |                  |                   |        |      |     |                 |        |     |               |     |
| 01-16-56       | 508797 1703651                     | 12 | NON-AI DAUGHTERS | 18                | 10,102 | 4.9  | 491 |                 |        |     |               |     |
|                | LISTED, 08-63                      | 12 | WITH HERD-MATES  | 18                | 10,102 | 4.9  | 491 | 8               | 9,701  | 484 |               |     |
| STATES-        | 93                                 |    |                  |                   |        |      |     | OIFF.           | 401    | 7   |               |     |
| 569635         | BRAMPTON BIJOUX ACME.....          |    |                  |                   |        |      |     |                 |        |     |               |     |
| 06-15-55       | 010121022 010181946                | 75 | AI DAUGHTERS-25* | 116               | 8,070  | 5.0  | 406 |                 |        |     |               |     |
| AI STUO, 31-02 | LISTED, 08-62                      | 74 | WITH HERD-MATES  | 115               | 8,086  | 5.0  | 408 | 15              | 8,198  | 419 | 7,981         | 407 |
| STATES-        | 31,32,34,35,41,42,64               |    |                  |                   |        |      |     | OIFF.           | 112-   | 11- |               |     |
| 569785         | TRAOTIIONAL LAO VOLUNTEER.....     |    |                  |                   |        |      |     |                 |        |     |               |     |
| 06-05-55       | 508029 1786429                     | 19 | NON-AI DAUGHTERS | 37                | 9,109  | 4.8  | 434 |                 |        |     |               |     |
|                | LISTED, 01-63                      | 18 | WITH HERD-MATES  | 36                | 9,153  | 4.8  | 435 | 13              | 8,323  | 419 |               |     |
| STATES-        | 41,73,74,85,92                     |    |                  |                   |        |      |     | OIFF.           | 830    | 16  |               |     |
| 570050         | BRIGHAM CONFIOENT MARLANO.....     |    |                  |                   |        |      |     |                 |        |     |               |     |
| 03-27-56       | 470945 1563732                     | 60 | AI DAUGHTERS-25* | 97                | 8,899  | 5.3  | 471 |                 |        |     |               |     |
| AI STUO, 12-03 | LISTED, 05-64                      | 59 | WITH HERD-MATES  | 94                | 8,901  | 5.3  | 472 | 19              | 9,031  | 468 | 8,038         | 423 |
| STATES-        | 12,13,14,34,74                     |    |                  |                   |        |      |     | OIFF.           | 130-   | 4   |               |     |
| 570115         | SIGNAL VOLUNTEERS PRIOR STAR.....  |    |                  |                   |        |      |     |                 |        |     |               |     |
| 06-22-55       | 554732 1916276                     | 27 | NON-AI DAUGHTERS | 52                | 10,583 | 5.7  | 600 |                 |        |     |               |     |
|                | LISTED, 08-63                      | 27 | WITH HERD-MATES  | 52                | 10,583 | 5.7  | 600 | 10              | 10,145 | 551 |               |     |
| STATES-        | 74                                 |    |                  |                   |        |      |     | OIFF.           | 438    | 49  |               |     |
| 570116         | GLENDOHAN BRAVO VALOUR.....        |    |                  |                   |        |      |     |                 |        |     |               |     |
| 02-15-51       | 517741 010134629                   | 16 | NON-AI DAUGHTERS | 21                | 7,695  | 5.3  | 405 |                 |        |     |               |     |
|                | LISTED, 03-64                      | 16 | WITH HERD-MATES  | 21                | 7,695  | 5.3  | 405 | 17              | 9,022  | 465 |               |     |
| STATES-        | 82,92                              |    |                  |                   |        |      |     | OIFF.           | 1327-  | 60- |               |     |
| 570125         | ACE O SPADES.....                  |    |                  |                   |        |      |     |                 |        |     |               |     |
| 04-15-55       | 419248 1747516                     | 11 | NON-AI DAUGHTERS | 18                | 8,610  | 5.3  | 457 |                 |        |     |               |     |
|                | LISTED, 11-63                      | 11 | WITH HERD-MATES  | 17                | 8,640  | 5.3  | 458 | 4               | 7,966  | 413 |               |     |
| STATES-        | 14,82                              |    |                  |                   |        |      |     | OIFF.           | 674    | 45  |               |     |
| 570133         | ROSLYN PRINCESS BEACON.....        |    |                  |                   |        |      |     |                 |        |     |               |     |
| 07-04-50       | 010115864 010111664                | 58 | AI DAUGHTERS-25* | 88                | 7,491  | 5.1  | 383 |                 |        |     |               |     |
| AI STUO, 63-02 | LISTED, 03-64                      | 58 | WITH HERD-MATES  | 87                | 7,487  | 5.1  | 382 | 15              | 8,284  | 416 | 7,430         | 388 |
| STATES-        | 43,58,63,64,65                     |    |                  |                   |        |      |     | OIFF.           | 797-   | 34- |               |     |
|                |                                    | 6  | NON-AI DAUGHTERS | 20                | 7,043  | 5.0  | 351 |                 |        |     |               |     |
|                |                                    | 6  | WITH HERD-MATES  | 19                | 7,108  | 5.0  | 354 | 26              | 6,980  | 364 |               |     |
|                |                                    |    |                  |                   |        |      |     | OIFF.           | 128    | 10- |               |     |
| 570244         | DESIGN SYBIL JESTER.....           |    |                  |                   |        |      |     |                 |        |     |               |     |
| 07-31-55       | 497599 1780299                     | 12 | NON-AI DAUGHTERS | 15                | 7,010  | 4.5  | 318 |                 |        |     |               |     |
|                | LISTED, 11-63                      | 12 | WITH HERD-MATES  | 15                | 7,010  | 4.5  | 318 | 6               | 6,916  | 323 |               |     |
| STATES-        | 64                                 |    |                  |                   |        |      |     | OIFF.           | 94     | 5-  |               |     |
| 570289         | BEACON ZINNA LAO.....              |    |                  |                   |        |      |     |                 |        |     |               |     |
| 02-17-56       | 557542 1794695                     | 12 | NON-AI DAUGHTERS | 21                | 7,014  | 5.1  | 355 |                 |        |     |               |     |
|                | LISTED, 08-62                      | 12 | WITH HERD-MATES  | 21                | 7,014  | 5.1  | 355 | 23              | 7,082  | 346 |               |     |
| STATES-        | 74                                 |    |                  |                   |        |      |     | OIFF.           | 68-    | 9   |               |     |
| 570297         | PORTLAND GRANOSON OF BASILEUS..... |    |                  |                   |        |      |     |                 |        |     |               |     |
| 12-27-55       | 534366 175852                      | 14 | NON-AI DAUGHTERS | 20                | 7,994  | 5.1  | 405 |                 |        |     |               |     |
|                | LISTED, 08-62                      | 13 | WITH HERD-MATES  | 19                | 8,146  | 5.1  | 412 | 4               | 8,962  | 464 |               |     |
| STATES-        | 32                                 |    |                  |                   |        |      |     | OIFF.           | 816-   | 52- |               |     |
| 570332         | MAPLECROFT TYCOON OANOV.....       |    |                  |                   |        |      |     |                 |        |     |               |     |
| 03-16-56       | 552488 1853062                     | 22 | NON-AI DAUGHTERS | 40                | 8,439  | 4.9  | 413 |                 |        |     |               |     |
|                | LISTED, 08-63                      | 22 | WITH HERD-MATES  | 40                | 8,439  | 4.9  | 413 | 8               | 8,043  | 417 |               |     |
| STATES-        | 21                                 |    |                  |                   |        |      |     | OIFF.           | 396    | 4-  |               |     |
| 570419         | MARSHALL VOUNTEER.....             |    |                  |                   |        |      |     |                 |        |     |               |     |
| 05-28-56       | 533617 1801004                     | 74 | AI DAUGHTERS-25* | 138               | 8,744  | 5.3  | 463 |                 |        |     |               |     |
| AI STUO, 21-01 | LISTED, 05-64                      | 73 | WITH HERD-MATES  | 136               | 8,741  | 5.3  | 464 | 19              | 8,666  | 452 | 8,181         | 430 |
| STATES-        | 13,21                              |    |                  |                   |        |      |     | OIFF.           | 75     | 12  |               |     |
|                |                                    | 1  | NON-AI DAUGHTERS | 2                 | 6,965  | 4.7  | 326 |                 |        |     |               |     |
|                |                                    | 1  | WITH HERD-MATES  | 2                 | 6,965  | 4.7  | 326 | 4               | 7,213  | 339 |               |     |
|                |                                    |    |                  |                   |        |      |     | OIFF.           | 248-   | 13- |               |     |
| 570421         | WHITHALL SPARKLE PILOT.....        |    |                  |                   |        |      |     |                 |        |     |               |     |
| 04-15-56       | 506147 1604255                     | 83 | AI DAUGHTERS-25* | 133               | 8,652  | 5.1  | 439 |                 |        |     |               |     |
| AI STUO, 33-02 | LISTED, 05-64                      | 81 | WITH HERD-MATES  | 129               | 8,693  | 5.1  | 442 | 10              | 8,275  | 430 | 8,448         | 427 |
| STATES-        | 33,35                              |    |                  |                   |        |      |     | OIFF.           | 418    | 12  |               |     |

## SIREs OF OHIA DAUGHTERS

| JERSEY                       |   |    |        | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV.       |
|------------------------------|---|----|--------|------------------------|---------------------|---------------------|
|                              |   |    |        | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT            |
|                              |   |    |        | NUMBER LB % LB         | NUMBER LB LB        | LB LB               |
| 570480                       | ADVANCER RINDA SUCCESSOR.....           |    |        |                        |                     |                     |
| 10-17-55                     | 519826 1515045 18 NON-AI DAUGHTERS      | 31 | 9,610  | 4.9                    | 469                 |                     |
|                              | LISTED, 08-63 18 WITH HERD-MATES        | 27 | 9,430  | 4.9                    | 459                 |                     |
| STATES- 41                   |   |    |        |                        | 15 DIFF.            | 8,968 440 19        |
| 570507                       | O JOHNNY OS PRIDE ADVANCER.....         |    |        |                        |                     |                     |
| 08-11-55                     | 512545 1776316 26 NON-AI DAUGHTERS      | 47 | 7,526  | 5.0                    | 375                 |                     |
|                              | LISTED, 08-63 26 WITH HERD-MATES        | 47 | 7,526  | 5.0                    | 375                 |                     |
| STATES- 31                   |   |    |        |                        | 14 DIFF.            | 7,970 396 21-       |
| 570509                       | O JOHNNY OS LUCY YOU-LL DO.....         |    |        |                        |                     |                     |
| 01-16-56                     | 512545 1453994 17 NON-AI DAUGHTERS      | 25 | 7,388  | 5.1                    | 379                 |                     |
|                              | LISTED, 08-63 17 WITH HERD-MATES        | 24 | 7,303  | 5.1                    | 374                 |                     |
| STATES- 31                   |   |    |        |                        | 7 DIFF.             | 7,190 361 13        |
| 570539                       | BEACONS PRICELESS PRINCE.....           |    |        |                        |                     |                     |
| 07-04-55                     | 553475 1891347 8 NON-AI DAUGHTERS       | 10 | 7,824  | 5.2                    | 404                 |                     |
|                              | LISTED, 08-62 7 WITH HERD-MATES         | 9  | 7,984  | 5.1                    | 405                 |                     |
| STATES- 31,34,55,63          |   |    |        |                        | 32 DIFF.            | 7,792 407 2-        |
| 570567                       | BRAMPTU JESTER HOBBY PRINCE.....        |    |        |                        |                     |                     |
| 10-19-55                     | 553475 1891349 11 NON-AI DAUGHTERS      | 23 | 7,681  | 5.4                    | 415                 |                     |
|                              | LISTED, 08-62 11 WITH HERD-MATES        | 23 | 7,681  | 5.4                    | 415                 |                     |
| STATES- 32                   |   |    |        |                        | 6 DIFF.             | 7,224 363 52        |
| 570592                       | CROWNING ROYAL CORONATION.....          |    |        |                        |                     |                     |
| 02-01-55                     | 489295 1569728 11 NON-AI DAUGHTERS      | 29 | 8,299  | 5.6                    | 464                 |                     |
|                              | LISTED, 08-62 11 WITH HERD-MATES        | 29 | 8,299  | 5.6                    | 464                 |                     |
| STATES- 54                   |   |    |        |                        | 20 DIFF.            | 7,722 439 25        |
| 570695                       | MARTINAS RADAR.....                     |    |        |                        |                     |                     |
| 10-08-55                     | 554619 1937531 18 NON-AI DAUGHTERS      | 29 | 9,673  | 5.4                    | 523                 |                     |
|                              | LISTED, 03-64 18 WITH HERD-MATES        | 29 | 9,673  | 5.4                    | 523                 |                     |
| STATES- 21,32                |   |    |        |                        | 8 DIFF.             | 9,020 475 48        |
| 570736                       | SHOOT FARM MARY-S ROYAL.....            |    |        |                        |                     |                     |
| 09-27-55                     | 554188 1878720 21 NON-AI DAUGHTERS      | 28 | 6,657  | 5.7                    | 378                 |                     |
|                              | LISTED, 01-63 21 WITH HERD-MATES        | 27 | 6,640  | 5.7                    | 378                 |                     |
| STATES- 84                   |   |    |        |                        | 3 DIFF.             | 7,908 442 64-       |
| 570818                       | GIPSY RILEY TABCHUM.....                |    |        |                        |                     |                     |
| 10-25-55                     | 460788 1519448 9 NON-AI DAUGHTERS       | 15 | 9,754  | 5.3                    | 513                 |                     |
|                              | LISTED, 08-63 9 WITH HERD-MATES         | 15 | 9,754  | 5.3                    | 513                 |                     |
| STATES- 63                   |   |    |        |                        | 30 DIFF.            | 9,052 456 702 57    |
| 570824                       | MAIDEN LAD APOLLO.....                  |    |        |                        |                     |                     |
| 01-12-56                     | 480642 1797846 39 AI DAUGHTERS-20       | 65 | 9,003  | 5.2                    | 472                 |                     |
| AI STUD, 12-03 LISTED, 05-64 | 37 WITH HERD-MATES                      | 61 | 9,080  | 5.2                    | 476                 |                     |
| STATES- 12,13,14             |   |    |        |                        | 17 DIFF.            | 9,216 485 136- 9-   |
|                              | 1 NON-AI DAUGHTERS                      | 1  | 9,330  | 6.1                    | 572                 |                     |
|                              | 1 WITH HERD-MATES                       | 1  | 9,330  | 6.1                    | 572                 |                     |
|                              |   |    |        |                        | 23 DIFF.            | 9,321 521 9 51      |
| 570828                       | JESILEUS JESTER LORD.....               |    |        |                        |                     |                     |
| 04-18-55                     | 542372 1616768 9 NON-AI DAUGHTERS       | 14 | 7,122  | 5.8                    | 416                 |                     |
|                              | LISTED, 11-63 9 WITH HERD-MATES         | 14 | 7,122  | 5.8                    | 416                 |                     |
| STATES- 41,42,84             |   |    |        |                        | 33 DIFF.            | 8,288 451 1166- 35- |
| 570878                       | .....                                   |    |        |                        |                     |                     |
|                              | 7 NON-AI DAUGHTERS                      | 9  | 9,378  | 5.2                    | 487                 |                     |
| STATES- 31                   | 7 WITH HERD-MATES                       | 9  | 9,378  | 5.2                    | 487                 |                     |
|                              |   |    |        |                        | 18 DIFF.            | 8,991 457 387 30    |
| 570881                       | .....                                   |    |        |                        |                     |                     |
|                              | 5 NON-AI DAUGHTERS                      | 7  | 5,750  | 5.1                    | 291                 |                     |
| STATES- 64                   | 5 WITH HERD-MATES                       | 7  | 5,750  | 5.1                    | 291                 |                     |
|                              |   |    |        |                        | 51 DIFF.            | 7,901 367 2151- 76- |
| 571021                       | COMMANDO SIGNAL IT FAULTLESS.....       |    |        |                        |                     |                     |
| 02-14-56                     | 530280 1631351 30 NON-AI DAUGHTERS      | 58 | 7,931  | 5.0                    | 400                 |                     |
|                              | LISTED, 08-63 30 WITH HERD-MATES        | 58 | 7,931  | 5.0                    | 400                 |                     |
| STATES- 73                   |   |    |        |                        | 7 DIFF.             | 7,917 397 14 3      |
| 571042                       | SABLES COMMANDO DANDY.....              |    |        |                        |                     |                     |
| 12-10-55                     | 556063 2057226 8 NON-AI DAUGHTERS       | 13 | 6,839  | 4.7                    | 323                 |                     |
|                              | LISTED, 11-63 8 WITH HERD-MATES         | 12 | 6,769  | 4.7                    | 318                 |                     |
| STATES- 74                   |   |    |        |                        | 3 DIFF.             | 6,983 343 214- 25-  |
| 571125                       | RICHLYN COSMOLINE-S DREAMER.....        |    |        |                        |                     |                     |
| 11-28-54                     | 010123070 010180468 35 NON-AI DAUGHTERS | 57 | 7,253  | 5.4                    | 395                 |                     |
|                              | LISTED, 08-63 35 WITH HERD-MATES        | 57 | 7,253  | 5.4                    | 395                 |                     |
| STATES- 63                   |   |    |        |                        | 36 DIFF.            | 8,333 428 1080- 33- |
| 571135                       | CDNALADS CHAMPION.....                  |    |        |                        |                     |                     |
| 09-16-55                     | 540908 1508336 20 NON-AI DAUGHTERS      | 47 | 11,037 | 5.4                    | 598                 |                     |
| AI STUD, 63-02 LISTED, 08-63 | 20 WITH HERD-MATES                      | 47 | 11,037 | 5.4                    | 598                 |                     |
| STATES- 92                   |   |    |        |                        | 10 DIFF.            | 10,404 554 633 44   |
| 571213                       | .....                                   |    |        |                        |                     |                     |
|                              | 5 NON-AI DAUGHTERS                      | 6  | 6,105  | 4.9                    | 300                 |                     |
| STATES- 87                   | 5 WITH HERD-MATES                       | 6  | 6,105  | 4.9                    | 300                 |                     |
|                              |   |    |        |                        | 46 DIFF.            | 6,761 349 656- 49-  |
| 571237                       | ADVANCER-S ZINNIA CONTRIBUTION.....     |    |        |                        |                     |                     |
| 03-22-56                     | 563278 1726379 18 NON-AI DAUGHTERS      | 25 | 6,152  | 5.4                    | 333                 |                     |
|                              | LISTED, 08-63 18 WITH HERD-MATES        | 25 | 6,152  | 5.4                    | 333                 |                     |
| STATES- 31                   |   |    |        |                        | 8 DIFF.             | 7,341 377 1189- 44- |
| 571246                       | MILKMAN SPARKLING SUN.....              |    |        |                        |                     |                     |
| 05-18-56                     | 550331 1925083 12 NON-AI DAUGHTERS      | 18 | 7,170  | 5.5                    | 392                 |                     |
|                              | LISTED, 08-63 12 WITH HERD-MATES        | 18 | 7,170  | 5.5                    | 392                 |                     |
| STATES- 21,61,65             |   |    |        |                        | 10 DIFF.            | 7,999 409 829- 17-  |





| JERSEY           |                                      |                     |  | AV. RECORDS | PRODUCTION MILK | DN TEST | DAU. FAT | ADJ. AV. NUMBER | HERD-MATES MILK | AV. FAT | PREDICTED MILK | AV. FAT |
|------------------|--------------------------------------|---------------------|--|-------------|-----------------|---------|----------|-----------------|-----------------|---------|----------------|---------|
|                  |                                      |                     |  | NUMBER      | L8              | %       | L8       |                 | L8              | L8      | L8             | L8      |
| 571951           | 8DLD HIGH-WAY-MAN.....               |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 04-27-56         | 473956 1513686 38 AI DAUGHTERS-25*   |                     |  | 59          | 9,137           | 5.2     | 471      |                 |                 |         |                |         |
| AI STUD, 11-01   | LISTED, 05-64 36 WITH HERD-MATES     |                     |  | 54          | 9,129           | 5.2     | 471      | 14              | 8,739           | 452     | 8,409          | 433     |
| STATES- 11       |                                      |                     |  |             |                 |         |          | DIFF.           | 390             | 19      |                |         |
|                  |                                      | 7 NDN-AI DAUGHTERS  |  | 17          | 10,198          | 5.1     | 515      |                 |                 |         |                |         |
|                  |                                      | WITH HERD-MATES     |  | 16          | 10,168          | 5.0     | 511      | 24              | 9,486           | 497     |                |         |
|                  |                                      |                     |  |             |                 |         |          | DIFF.           | 682             | 14      |                |         |
| 572034           | DDN HEAD-S VALIANT 8EACDN.....       |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 01-03-56         | 554570 1660910 18 NON-AI DAUGHTERS   |                     |  | 20          | 8,750           | 5.3     | 461      |                 |                 |         |                |         |
|                  | LISTED, 03-64 16 WITH HERD-MATES     |                     |  | 18          | 9,076           | 5.2     | 474      | 17              | 9,818           | 516     |                |         |
| STATES- 61,63    |                                      |                     |  |             |                 |         |          | DIFF.           | 742-            | 42-     |                |         |
| 572115           | .....                                |                     |  |             |                 |         |          |                 |                 |         |                |         |
|                  |                                      | 5 NON-AI DAUGHTERS  |  | 5           | 5,058           | 5.0     | 255      |                 |                 |         |                |         |
| STATES- 42       |                                      | 1 WITH HERD-MATES   |  | 1           | 6,990           | 4.5     | 316      | 35              | 7,351           | 389     |                |         |
|                  |                                      |                     |  |             |                 |         |          | DIFF.           | 361-            | 73-     |                |         |
| 572137           | .....                                |                     |  |             |                 |         |          |                 |                 |         |                |         |
|                  |                                      | 5 NON-AI DAUGHTERS  |  | 7           | 11,058          | 5.5     | 608      |                 |                 |         |                |         |
| AI STUD, 52-01   |                                      | 5 WITH HERD-MATES   |  | 7           | 11,058          | 5.5     | 608      | 45              | 9,443           | 496     |                |         |
| STATES- 52       |                                      |                     |  |             |                 |         |          | DIFF.           | 1615            | 112     |                |         |
| 572206           | CHAMPIDN-S SENATDR.....              |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 09-15-56         | 519828 1636074 14 NON-AI DAUGHTERS   |                     |  | 26          | 11,180          | 5.5     | 619      |                 |                 |         |                |         |
| AI STUD, 93-01   | LISTED, 05-64 14 WITH HERD-MATES     |                     |  | 26          | 11,180          | 5.5     | 619      | 25              | 10,688          | 572     |                |         |
| STATES- 93       |                                      |                     |  |             |                 |         |          | DIFF.           | 492             | 47      |                |         |
| 572210           | JESTER SUPREME ND8ILITY.....         |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 03-09-56         | 556316 1865118 13 NON-AI DAUGHTERS   |                     |  | 14          | 6,079           | 5.1     | 308      |                 |                 |         |                |         |
|                  | LISTED, 03-64 13 WITH HERD-MATES     |                     |  | 14          | 6,079           | 5.1     | 308      | 11              | 6,488           | 338     |                |         |
| STATES- 61,63    |                                      |                     |  |             |                 |         |          | DIFF.           | 409-            | 30-     |                |         |
| 572331           | BISHDP PDMPEY.....                   |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 07-02-56         | 524199 1986845 11 NON-AI DAUGHTERS   |                     |  | 17          | 12,152          | 5.0     | 606      |                 |                 |         |                |         |
|                  | LISTED, 08-63 11 WITH HERD-MATES     |                     |  | 17          | 12,152          | 5.0     | 606      | 69              | 11,201          | 611     |                |         |
| STATES- 14,21    |                                      |                     |  |             |                 |         |          | DIFF.           | 951             | 5-      |                |         |
| 572347           | JESTER SLEEPER SULTAN.....           |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 07-04-56         | 546993 1766980 17 NON-AI DAUGHTERS   |                     |  | 21          | 9,529           | 5.2     | 492      |                 |                 |         |                |         |
|                  | LISTED, 11-63 17 WITH HERD-MATES     |                     |  | 21          | 9,529           | 5.2     | 492      | 58              | 9,597           | 509     |                |         |
| STATES- 55,56,58 |                                      |                     |  |             |                 |         |          | DIFF.           | 68-             | 17-     |                |         |
| 572375           | BLDNDE LINCOLN DF HILLCREST.....     |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 02-12-54         | 465966 1558974 26 AI DAUGHTERS-14    |                     |  | 49          | 9,285           | 5.7     | 531      |                 |                 |         |                |         |
| AI STUD, 12-03   | LISTED, 05-64 26 WITH HERD-MATES     |                     |  | 49          | 9,285           | 5.7     | 531      | 24              | 9,264           | 485     | 8,162          | 452     |
| STATES- 12,13    |                                      |                     |  |             |                 |         |          | DIFF.           | 21              | 46      |                |         |
| 572383           | MARSHALL WILLIAM.....                |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 07-30-56         | 533617 1454191 10 NON-AI DAUGHTERS   |                     |  | 12          | 8,703           | 5.6     | 489      |                 |                 |         |                |         |
|                  | LISTED, 05-64 9 WITH HERD-MATES      |                     |  | 10          | 8,459           | 5.6     | 477      | 4               | 7,925           | 426     |                |         |
| STATES- 46       |                                      |                     |  |             |                 |         |          | DIFF.           | 534             | 51      |                |         |
| 572405           | MARLU JESTER MILESTONE.....          |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 05-29-56         | 563805 1631361 17 NON-AI DAUGHTERS   |                     |  | 25          | 7,876           | 4.8     | 379      |                 |                 |         |                |         |
|                  | LISTED, 08-63 17 WITH HERD-MATES     |                     |  | 25          | 7,876           | 4.8     | 379      | 65              | 7,561           | 366     |                |         |
| STATES- 65,71,74 |                                      |                     |  |             |                 |         |          | DIFF.           | 315             | 13      |                |         |
| 572488           | COMMANDER JDEL.....                  |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 06-19-56         | 468937 1663105 11 NON-AI DAUGHTERS   |                     |  | 19          | 9,040           | 6.1     | 551      |                 |                 |         |                |         |
|                  | LISTED, 11-63 11 WITH HERD-MATES     |                     |  | 19          | 9,040           | 6.1     | 551      | 18              | 8,660           | 500     |                |         |
| STATES- 91       |                                      |                     |  |             |                 |         |          | DIFF.           | 380             | 51      |                |         |
| 572511           | 8RDWNY-S RDYAL SY8IL.....            |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 09-28-56         | 506377 1601262 19 NON-AI DAUGHTERS   |                     |  | 20          | 6,150           | 5.0     | 307      |                 |                 |         |                |         |
|                  | LISTED, 03-64 18 WITH HERD-MATES     |                     |  | 19          | 6,086           | 5.0     | 304      | 57              | 6,553           | 333     |                |         |
| STATES- 73       |                                      |                     |  |             |                 |         |          | DIFF.           | 467-            | 29-     |                |         |
| 572592           | CDNNIE-S PRDUD TDPPER.....           |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 06-01-56         | 561165 1882311 15 NON-AI DAUGHTERS   |                     |  | 26          | 6,581           | 5.4     | 358      |                 |                 |         |                |         |
|                  | LISTED, 08-63 15 WITH HERD-MATES     |                     |  | 26          | 6,581           | 5.4     | 358      | 6               | 7,489           | 401     |                |         |
| STATES- 42       |                                      |                     |  |             |                 |         |          | DIFF.           | 908-            | 43-     |                |         |
| 572662           | PRIDE-S CHIEF THEDDDRE.....          |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 12-08-55         | 539849 1912791 10 NON-AI DAUGHTERS   |                     |  | 20          | 8,189           | 5.7     | 469      |                 |                 |         |                |         |
|                  | LISTED, 08-63 10 WITH HERD-MATES     |                     |  | 20          | 8,189           | 5.7     | 469      | 16              | 8,971           | 521     |                |         |
| STATES- 91       |                                      |                     |  |             |                 |         |          | DIFF.           | 782-            | 52-     |                |         |
| 572729           | .....                                |                     |  |             |                 |         |          |                 |                 |         |                |         |
|                  |                                      | 24 NDN-AI DAUGHTERS |  | 24          | 7,563           | 5.8     | 441      |                 |                 |         |                |         |
| STATES- 31       |                                      | 23 WITH HERD-MATES  |  | 23          | 7,595           | 5.9     | 448      | 13              | 8,597           | 469     |                |         |
|                  |                                      |                     |  |             |                 |         |          | DIFF.           | 1002-           | 21-     |                |         |
| 572809           | STANDARD MAJESTY 8ASIL.....          |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 01-11-56         | 458311 1711360 25 NON-AI DAUGHTERS   |                     |  | 37          | 6,475           | 5.2     | 334      |                 |                 |         |                |         |
|                  | LISTED, 01-63 25 WITH HERD-MATES     |                     |  | 37          | 6,475           | 5.2     | 334      | 17              | 6,872           | 351     |                |         |
| STATES- 13       |                                      |                     |  |             |                 |         |          | DIFF.           | 397-            | 17-     |                |         |
| 572884           | .....                                |                     |  |             |                 |         |          |                 |                 |         |                |         |
|                  |                                      | 5 NDN-AI DAUGHTERS  |  | 7           | 9,284           | 5.7     | 526      |                 |                 |         |                |         |
| STATES- 21       |                                      | 5 WITH HERD-MATES   |  | 7           | 9,284           | 5.7     | 526      | 38              | 9,129           | 513     |                |         |
|                  |                                      |                     |  |             |                 |         |          | DIFF.           | 155             | 13      |                |         |
| 572891           | 8RAMPTDN JANET RADAR.....            |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 04-21-56         | 475948 010238636 10 NON-AI DAUGHTERS |                     |  | 17          | 7,622           | 5.5     | 423      |                 |                 |         |                |         |
|                  | LISTED, 08-62 10 WITH HERD-MATES     |                     |  | 17          | 7,622           | 5.5     | 423      | 8               | 7,434           | 408     |                |         |
| STATES- 31       |                                      |                     |  |             |                 |         |          | DIFF.           | 188             | 15      |                |         |
| 572906           | 8ASIL RIGHT RADAR.....               |                     |  |             |                 |         |          |                 |                 |         |                |         |
| 08-13-56         | 499207 1556627 8 NDN-AI DAUGHTERS    |                     |  | 11          | 7,323           | 5.2     | 380      |                 |                 |         |                |         |
|                  | LISTED, 08-63 8 WITH HERD-MATES      |                     |  | 11          | 7,323           | 5.2     | 380      | 13              | 7,917           | 404     |                |         |
| STATES- 31       |                                      |                     |  |             |                 |         |          | DIFF.           | 594-            | 24-     |                |         |

## SIRE OF OHIA DAUGHTERS

|                |                                      |  |  | AV. RECORDS | PRODUCTION OF MILK LB | TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|----------------|--------------------------------------|--|--|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| JERSEY         |                                      |  |  | NUMBER      |                       |        |             |                 |                    |            |                   |            |
| 572947         | FAR SYBIL OWL BEAUTIFUL REGENT.....  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 10-09-56       | 476925 1687090 8 NON-AI DAUGHTERS    |  |  | 12          | 7,583                 | 5.6    | 424         |                 |                    |            |                   |            |
|                | LISTED, 11-63 8 WITH HERD-MATES      |  |  | 12          | 7,583                 | 5.6    | 424         | 13              | 8,296              | 447        |                   |            |
| STATES-        | 16                                   |  |  |             |                       |        |             | DIFF.           | 713-               | 23-        |                   |            |
| 573054         | BILTMORE CITATION PIONEER.....       |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 08-22-56       | 559991 1816540 22 NON-AI DAUGHTERS   |  |  | 34          | 6,253                 | 5.3    | 331         |                 |                    |            |                   |            |
|                | LISTED, 01-63 22 WITH HERD-MATES     |  |  | 34          | 6,253                 | 5.3    | 331         | 32              | 6,595              | 333        |                   |            |
| STATES-        | 55,74                                |  |  |             |                       |        |             | DIFF.           | 342-               | 2-         |                   |            |
| 573066         | .....                                |  |  |             |                       |        |             |                 |                    |            |                   |            |
|                | 6 NON-AI DAUGHTERS                   |  |  | 9           | 7,888                 | 5.2    | 410         |                 |                    |            |                   |            |
| STATES-        | 32                                   |  |  | 9           | 7,888                 | 5.2    | 410         | 8               | 7,286              | 370        |                   |            |
|                | 6 WITH HERD-MATES                    |  |  |             |                       |        |             | OIFF.           | 602                | 40         |                   |            |
| 573091         | COMMANOO TEFFIA BASIL.....           |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 09-13-56       | 555603 1862685 12 NON-AI DAUGHTERS   |  |  | 16          | 6,683                 | 5.6    | 376         |                 |                    |            |                   |            |
|                | LISTED, 01-63 12 WITH HERD-MATES     |  |  | 16          | 6,683                 | 5.6    | 376         | 11              | 7,231              | 385        |                   |            |
| STATES-        | 43,48                                |  |  |             |                       |        |             | OIFF.           | 548-               | 9-         |                   |            |
| 573249         | HATFIELD BASIL RADAR.....            |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 08-27-56       | 499207 1361019 29 NON-AI DAUGHTERS   |  |  | 53          | 7,759                 | 5.7    | 440         |                 |                    |            |                   |            |
|                | LISTED, 01-63 29 WITH HERD-MATES     |  |  | 53          | 7,759                 | 5.7    | 440         | 27              | 7,593              | 421        |                   |            |
| STATES-        | 34                                   |  |  |             |                       |        |             | OIFF.           | 166                | 19         |                   |            |
| 573264         | SUNBEAM SPARKLING JESTER BASIL.....  |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 09-18-56       | 524984 1447359 15 NON-AI DAUGHTERS   |  |  | 17          | 7,307                 | 5.2    | 379         |                 |                    |            |                   |            |
|                | LISTED, 03-64 15 WITH HERD-MATES     |  |  | 17          | 7,307                 | 5.2    | 379         | 74              | 7,634              | 396        |                   |            |
| STATES-        | 21,23,46,55,57                       |  |  |             |                       |        |             | OIFF.           | 327-               | 17-        |                   |            |
| 573322         | RAJAH BASIL BEACON.....              |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 12-10-56       | 557955 1748714 11 NON-AI DAUGHTERS   |  |  | 13          | 4,933                 | 5.0    | 246         |                 |                    |            |                   |            |
|                | LISTED, 03-64 11 WITH HERD-MATES     |  |  | 13          | 4,933                 | 5.0    | 246         | 38              | 6,476              | 329        |                   |            |
| STATES-        | 87                                   |  |  |             |                       |        |             | OIFF.           | 1543-              | 83-        |                   |            |
| 573344         | SPARKLING VELLUM CHAMP.....          |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 04-05-54       | 541928 1393794 13 NON-AI DAUGHTERS   |  |  | 26          | 7,918                 | 5.4    | 427         |                 |                    |            |                   |            |
|                | LISTED, 08-63 12 WITH HERD-MATES     |  |  | 24          | 7,967                 | 5.4    | 432         | 15              | 8,004              | 432        |                   |            |
| STATES-        | 41                                   |  |  |             |                       |        |             | OIFF.           | 37-                |            |                   |            |
| 573385         | PORTLAND SHARRISON RADAR.....        |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 07-17-56       | 557257 1803150 17 NON-AI DAUGHTERS   |  |  | 19          | 7,608                 | 5.3    | 405         |                 |                    |            |                   |            |
|                | LISTED, 11-63 17 WITH HERD-MATES     |  |  | 19          | 7,608                 | 5.3    | 405         | 6               | 9,304              | 481        |                   |            |
| STATES-        | 32                                   |  |  |             |                       |        |             | OIFF.           | 1696-              | 76-        |                   |            |
| 573398         | BISHOP DAUNTLESS.....                |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 09-25-56       | 524199 1475680 16 NON-AI DAUGHTERS   |  |  | 23          | 7,703                 | 5.6    | 430         |                 |                    |            |                   |            |
|                | LISTED, 08-63 16 WITH HERD-MATES     |  |  | 23          | 7,703                 | 5.6    | 430         | 10              | 8,277              | 434        |                   |            |
| STATES-        | 31                                   |  |  |             |                       |        |             | OIFF.           | 574-               | 4-         |                   |            |
| 573401         | BISHOP DECORATOR.....                |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 12-08-56       | 524199 1774689 8 NON-AI DAUGHTERS    |  |  | 12          | 8,005                 | 5.1    | 407         |                 |                    |            |                   |            |
|                | LISTED, 08-63 8 WITH HERD-MATES      |  |  | 12          | 8,005                 | 5.1    | 407         | 34              | 6,988              | 365        |                   |            |
| STATES-        | 42,74                                |  |  |             |                       |        |             | OIFF.           | 1017               | 42         |                   |            |
| 573431         | SYBIL ROYAL PREDICTION.....          |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 03-24-56       | 467752 1907878 54 AI DAUGHTERS-25*   |  |  | 73          | 8,811                 | 5.3    | 465         |                 |                    |            |                   |            |
| AI STUO, 35-05 | LISTED, 05-64 54 WITH HERD-MATES     |  |  | 72          | 8,829                 | 5.3    | 467         | 11              | 8,197              | 426        | 8,588             | 450        |
| STATES-        | 35,41,42,65                          |  |  |             |                       |        |             | OIFF.           | 632                | 41         |                   |            |
| 573552         | MARLU PARAGON.....                   |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 09-13-56       | 552974 2057465 33 NON-AI DAUGHTERS   |  |  | 43          | 8,871                 | 5.4    | 482         |                 |                    |            |                   |            |
| AI STUO, 52-01 | LISTED, 05-64 33 WITH HERD-MATES     |  |  | 43          | 8,871                 | 5.4    | 482         | 24              | 7,915              | 412        |                   |            |
| STATES-        | 52                                   |  |  |             |                       |        |             | OIFF.           | 956                | 70         |                   |            |
| 573617         | BRAMPTON W. R. LERAS RADAR.....      |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 08-14-55       | 475948 010238975 30 NON-AI DAUGHTERS |  |  | 53          | 8,433                 | 5.6    | 473         |                 |                    |            |                   |            |
| AI STUO, 35-75 | LISTED, 05-64 30 WITH HERD-MATES     |  |  | 53          | 8,433                 | 5.6    | 473         | 27              | 8,848              | 475        |                   |            |
| STATES-        | 12,13                                |  |  |             |                       |        |             | OIFF.           | 415-               | 2-         |                   |            |
| 573709         | REMUS UNRIVALED REX.....             |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 09-19-56       | 500215 1660050 10 NON-AI DAUGHTERS   |  |  | 15          | 8,835                 | 5.5    | 484         |                 |                    |            |                   |            |
|                | LISTED, 08-63 10 WITH HERD-MATES     |  |  | 15          | 8,835                 | 5.5    | 484         | 13              | 7,939              | 418        |                   |            |
| STATES-        | 34                                   |  |  |             |                       |        |             | DIFF.           | 896                | 66         |                   |            |
| 573732         | SILVER ACRES HARVEST.....            |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 10-26-56       | 526315 1683570 8 NON-AI DAUGHTERS    |  |  | 12          | 8,718                 | 5.0    | 438         |                 |                    |            |                   |            |
|                | LISTED, 08-63 8 WITH HERD-MATES      |  |  | 12          | 8,718                 | 5.0    | 438         | 12              | 8,818              | 439        |                   |            |
| STATES-        | 31                                   |  |  |             |                       |        |             | OIFF.           | 100-               | 1-         |                   |            |
| 573749         | BUTTERNUT TRISTRAM CORONET.....      |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 07-02-56       | 537169 1830014 58 AI DAUGHTERS-23    |  |  | 90          | 8,175                 | 5.5    | 447         |                 |                    |            |                   |            |
| AI STUO, 23-04 | LISTED, 05-64 58 WITH HERD-MATES     |  |  | 88          | 8,177                 | 5.5    | 447         | 17              | 8,226              | 436        | 8,039             | 427        |
| STATES-        | 23                                   |  |  |             |                       |        |             | OIFF.           | 49-                | 11         |                   |            |
| 573754         | MARLU SPARKLE JESTER.....            |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 06-06-56       | 506147 1983661 23 NON-AI DAUGHTERS   |  |  | 46          | 8,084                 | 4.8    | 389         |                 |                    |            |                   |            |
|                | LISTED, 08-62 23 WITH HERD-MATES     |  |  | 46          | 8,084                 | 4.8    | 389         | 10              | 7,920              | 384        |                   |            |
| STATES-        | 33                                   |  |  |             |                       |        |             | OIFF.           | 164                | 5          |                   |            |
| 573809         | BILTMORE CITATION JESS.....          |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 09-28-56       | 559991 1794021 64 NON-AI DAUGHTERS   |  |  | 73          | 6,358                 | 5.2    | 331         |                 |                    |            |                   |            |
|                | LISTED, 03-64 64 WITH HERD-MATES     |  |  | 73          | 6,358                 | 5.2    | 331         | 37              | 6,969              | 342        |                   |            |
| STATES-        | 55,74                                |  |  |             |                       |        |             | OIFF.           | 611-               | 11-        |                   |            |
| 573846         | BRIGHAM VOL. KING TUT OF OGSTON..... |  |  |             |                       |        |             |                 |                    |            |                   |            |
| 08-19-56       | 538481 1796768 8 NON-AI DAUGHTERS    |  |  | 9           | 10,211                | 5.2    | 528         |                 |                    |            |                   |            |
| AI STUO, 22-03 | LISTED, 05-64 8 WITH HERD-MATES      |  |  | 9           | 10,211                | 5.2    | 528         | 62              | 10,706             | 542        |                   |            |
| STATES-        | 22                                   |  |  |             |                       |        |             | OIFF.           | 495-               | 14-        |                   |            |
| 574060         | .....                                |  |  |             |                       |        |             |                 |                    |            |                   |            |
|                | 14 NON-AI DAUGHTERS                  |  |  | 16          | 6,991                 | 5.2    | 365         |                 |                    |            |                   |            |
| STATES-        | 23,31                                |  |  | 15          | 6,981                 | 5.2    | 366         | 16              | 7,039              | 374        |                   |            |
|                | 14 WITH HERD-MATES                   |  |  |             |                       |        |             | DIFF.           | 58-                | 8-         |                   |            |



## SIRE OF OHIA DAUGHTERS

| JERSEY                 |                                    |     |                  | AV. PRODUCTION OF OAU. |            |           |           | ADJ. HERO-MATES AV. |            |           | PREOICTEO AV. |           |
|------------------------|------------------------------------|-----|------------------|------------------------|------------|-----------|-----------|---------------------|------------|-----------|---------------|-----------|
|                        |                                    |     |                  | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB | FAT<br>LB | MILK<br>LB    | FAT<br>LB |
| 574077                 | PINN BLONDE ROSEBOY.....           |     |                  |                        |            |           |           |                     |            |           |               |           |
| 11-19-55               | 534381 1402021                     | 18  | NON-AI DAUGHTERS | 31                     | 8,365      | 5.1       | 424       |                     |            |           |               |           |
|                        | LISTED, 01-63                      | 17  | WITH HERD-MATES  | 29                     | 8,544      | 5.0       | 431       | 8                   | 8,247      | 401       |               |           |
| STATES- 32             |                                    |     |                  |                        |            |           |           | OIFF.               | 297        | 30        |               |           |
| 574103                 | .....                              |     |                  |                        |            |           |           |                     |            |           |               |           |
|                        |                                    | 5   | NON-AI DAUGHTERS | 8                      | 6,982      | 5.3       | 370       |                     |            |           |               |           |
| STATES- 35             |                                    | 5   | WITH HERD-MATES  | 8                      | 6,982      | 5.3       | 370       | 19                  | 7,673      | 406       |               |           |
|                        |                                    |     |                  |                        |            |           |           | OIFF.               | 691-       | 36-       |               |           |
| 574191                 | L. C. STANDARO MASTER.....         |     |                  |                        |            |           |           |                     |            |           |               |           |
| 09-25-56               | 486937 1505315                     | 15  | NON-AI DAUGHTERS | 30                     | 9,296      | 4.8       | 448       |                     |            |           |               |           |
| AI STUO, 35-75         | LISTED, 05-64                      | 15  | WITH HERD-MATES  | 30                     | 9,296      | 4.8       | 448       | 46                  | 8,195      | 413       |               |           |
| STATES- 74             |                                    |     |                  |                        |            |           |           | OIFF.               | 1101       | 35        |               |           |
| 574194                 | NOBLEMAIO COMMANDO.....            |     |                  |                        |            |           |           |                     |            |           |               |           |
| 12-19-56               | 561500 1952644                     | 28  | AI DAUGHTERS-19  | 39                     | 8,798      | 5.2       | 455       |                     |            |           |               |           |
| AI STUO, 31-02         | LISTED, 05-64                      | 27  | WITH HERD-MATES  | 38                     | 8,836      | 5.2       | 457       | 16                  | 8,878      | 457       | 8,093         | 419       |
| STATES- 31,56,72       |                                    |     |                  |                        |            |           |           | OIFF.               | 42-        |           |               |           |
| 574224                 | TWO OAKS SYLVESTER.....            |     |                  |                        |            |           |           |                     |            |           |               |           |
| 04-17-55               | 478932 1878507                     | 19  | NON-AI DAUGHTERS | 37                     | 8,107      | 5.7       | 461       |                     |            |           |               |           |
|                        | LISTED, 08-62                      | 19  | WITH HERD-MATES  | 37                     | 8,107      | 5.7       | 461       | 9                   | 7,659      | 417       |               |           |
| STATES- 41             |                                    |     |                  |                        |            |           |           | OIFF.               | 448        | 44        |               |           |
| 574229                 | HONEY-S CHIEF OF REDMOND.....      |     |                  |                        |            |           |           |                     |            |           |               |           |
| 07-31-56               | 469534 1911304                     | 18  | NON-AI DAUGHTERS | 26                     | 9,174      | 5.8       | 532       |                     |            |           |               |           |
|                        | LISTED, 03-64                      | 18  | WITH HERD-MATES  | 26                     | 9,174      | 5.8       | 532       | 18                  | 9,122      | 536       |               |           |
| STATES- 91             |                                    |     |                  |                        |            |           |           | OIFF.               | 52         | 4-        |               |           |
| 574261                 | BEACON BASIL PORTER.....           |     |                  |                        |            |           |           |                     |            |           |               |           |
| 04-21-56               | 497977 1861275                     | 25  | NON-AI DAUGHTERS | 33                     | 9,869      | 5.3       | 527       |                     |            |           |               |           |
| AI STUO, 35-75         | LISTED, 03-64                      | 25  | WITH HERD-MATES  | 33                     | 9,869      | 5.3       | 527       | 17                  | 9,286      | 467       |               |           |
| STATES- 21             |                                    |     |                  |                        |            |           |           | OIFF.               | 583        | 60        |               |           |
| 574279                 | SHADEL-S DESIGN KEEPER BEAUTY..... |     |                  |                        |            |           |           |                     |            |           |               |           |
| 03-18-57               | 568187 1499159                     | 13  | NON-AI DAUGHTERS | 21                     | 9,179      | 5.3       | 486       |                     |            |           |               |           |
| AI STUO, 41-25         | LISTED, 08-63                      | 13  | WITH HERD-MATES  | 21                     | 9,179      | 5.3       | 486       | 20                  | 8,532      | 444       |               |           |
| STATES- 43,48          |                                    |     |                  |                        |            |           |           | OIFF.               | 647        | 42        |               |           |
| 574282                 | AGNES MADCAP OWLREST DOUGLAS.....  |     |                  |                        |            |           |           |                     |            |           |               |           |
| 01-30-55               | 438165 1923507                     | 13  | NON-AI DAUGHTERS | 21                     | 8,946      | 5.2       | 468       |                     |            |           |               |           |
|                        | LISTED, 08-62                      | 13  | WITH HERD-MATES  | 21                     | 8,946      | 5.2       | 468       | 12                  | 9,428      | 485       |               |           |
| STATES- 21             |                                    |     |                  |                        |            |           |           | OIFF.               | 482-       | 17-       |               |           |
| 574299                 | .....                              |     |                  |                        |            |           |           |                     |            |           |               |           |
|                        |                                    | 7   | NON-AI DAUGHTERS | 12                     | 7,974      | 5.6       | 447       |                     |            |           |               |           |
| STATES- 31             |                                    | 7   | WITH HERD-MATES  | 12                     | 7,974      | 5.6       | 447       | 21                  | 7,576      | 407       |               |           |
|                        |                                    |     |                  |                        |            |           |           | OIFF.               | 398        | 40        |               |           |
| 574356                 | JOLLY BEACON RADAR.....            |     |                  |                        |            |           |           |                     |            |           |               |           |
| 01-01-57               | 565303 2085625                     | 17  | AI DAUGHTERS-11  | 18                     | 6,631      | 5.1       | 340       |                     |            |           |               |           |
| AI STUO, 65-02         | LISTED, 05-64                      | 16  | WITH HERD-MATES  | 17                     | 6,599      | 5.1       | 338       | 30                  | 7,607      | 374       | 7,465         | 393       |
| STATES- 34,65          |                                    |     |                  |                        |            |           |           | OIFF.               | 1008-      | 36-       |               |           |
|                        |                                    | 3   | NON-AI DAUGHTERS | 8                      | 8,487      | 5.8       | 490       |                     |            |           |               |           |
|                        |                                    | 3   | WITH HERD-MATES  | 8                      | 8,487      | 5.8       | 490       | 20                  | 8,567      | 457       |               |           |
|                        |                                    |     |                  |                        |            |           |           | OIFF.               | 80-        | 33        |               |           |
| 574361                 | NOTED PINNACLE SULTAN.....         |     |                  |                        |            |           |           |                     |            |           |               |           |
| 02-13-57               | 507864 1712438                     | 13  | NON-AI DAUGHTERS | 21                     | 9,577      | 5.0       | 483       |                     |            |           |               |           |
|                        | LISTED, 08-63                      | 13  | WITH HERD-MATES  | 21                     | 9,577      | 5.0       | 483       | 36                  | 9,076      | 473       |               |           |
| STATES- 34             |                                    |     |                  |                        |            |           |           | OIFF.               | 501        | 10        |               |           |
| 574468                 | FAVORITE ADVANCER-S MASTERMAN..... |     |                  |                        |            |           |           |                     |            |           |               |           |
| 06-10-55               | 493165 1722352                     | 10  | NON-AI DAUGHTERS | 11                     | 7,584      | 5.0       | 379       |                     |            |           |               |           |
|                        | LISTED, 11-63                      | 10  | WITH HERD-MATES  | 11                     | 7,584      | 5.0       | 379       | 29                  | 7,337      | 369       |               |           |
| STATES- 74             |                                    |     |                  |                        |            |           |           | OIFF.               | 247        | 10        |               |           |
| 574470                 | SHAOEWELL VICTORY LAD.....         |     |                  |                        |            |           |           |                     |            |           |               |           |
| 01-20-57               | 473215 1860681                     | 8   | NON-AI DAUGHTERS | 12                     | 9,433      | 5.2       | 492       |                     |            |           |               |           |
| AI STUO, 12-03         | LISTED, 05-64                      | 8   | WITH HERD-MATES  | 12                     | 9,433      | 5.2       | 492       | 15                  | 9,004      | 472       |               |           |
| STATES- 13             |                                    |     |                  |                        |            |           |           | OIFF.               | 429        | 20        |               |           |
| 574548                 | .....                              |     |                  |                        |            |           |           |                     |            |           |               |           |
|                        |                                    | 5   | NON-AI DAUGHTERS | 7                      | 9,057      | 5.8       | 523       |                     |            |           |               |           |
| STATES- 43             |                                    | 5   | WITH HERD-MATES  | 7                      | 9,057      | 5.8       | 523       | 3                   | 8,459      | 454       |               |           |
|                        |                                    |     |                  |                        |            |           |           | OIFF.               | 598        | 69        |               |           |
| 574560                 | TRISTRAM SILVER STAR.....          |     |                  |                        |            |           |           |                     |            |           |               |           |
| 02-20-57               | 565028 2077641                     | 1   | AI DAUGHTERS-01  |                        |            |           |           |                     |            |           |               |           |
| AI STUO, 93-05         | LISTED, 08-62                      | 1   | WITH HERD-MATES  |                        |            |           |           |                     |            |           |               |           |
| STATES- 88,91          |                                    |     |                  |                        |            |           |           |                     |            |           |               |           |
|                        |                                    | 8   | NON-AI DAUGHTERS | 14                     | 9,841      | 5.3       | 520       |                     |            |           |               |           |
|                        |                                    | 8   | WITH HERD-MATES  | 14                     | 9,841      | 5.3       | 520       | 11                  | 10,318     | 510       |               |           |
|                        |                                    |     |                  |                        |            |           |           | OIFF.               | 477-       | 10        |               |           |
| 574629                 | MARLU SUPREME FAVORITE.....        |     |                  |                        |            |           |           |                     |            |           |               |           |
| 09-24-56               | 506147 1821609                     | 118 | AI DAUGHTERS-25* | 214                    | 8,113      | 5.0       | 409       |                     |            |           |               |           |
| AI STUO, 61-01         | LISTED, 05-64                      | 115 | WITH HERD-MATES  | 210                    | 8,077      | 5.1       | 409       | 14                  | 8,233      | 417       | 7,941         | 409       |
| STATES- 42,61,63,72,84 |                                    |     |                  |                        |            |           |           | OIFF.               | 156-       | 8-        |               |           |
|                        |                                    | 1   | NON-AI DAUGHTERS | 3                      | 7,507      | 5.2       | 394       |                     |            |           |               |           |
|                        |                                    | 1   | WITH HERD-MATES  | 3                      | 7,507      | 5.2       | 394       | 34                  | 9,112      | 474       |               |           |
|                        |                                    |     |                  |                        |            |           |           | OIFF.               | 1605-      | 80-       |               |           |
| 574675                 | .....                              |     |                  |                        |            |           |           |                     |            |           |               |           |
|                        |                                    | 12  | NON-AI DAUGHTERS | 13                     | 7,447      | 5.4       | 404       |                     |            |           |               |           |
| STATES- 31             |                                    | 12  | WITH HERD-MATES  | 13                     | 7,447      | 5.4       | 404       | 23                  | 7,634      | 413       |               |           |
|                        |                                    |     |                  |                        |            |           |           | OIFF.               | 187-       | 9-        |               |           |
| 574676                 | GOLDEN COMMANDO.....               |     |                  |                        |            |           |           |                     |            |           |               |           |
| 02-12-57               | 556092 1578755                     | 28  | NON-AI DAUGHTERS | 48                     | 8,969      | 5.3       | 476       |                     |            |           |               |           |
| AI STUO, 31-02         | LISTED, 05-64                      | 28  | WITH HERD-MATES  | 48                     | 8,969      | 5.3       | 476       | 11                  | 8,995      | 469       |               |           |
| STATES- 32,33,34,73    |                                    |     |                  |                        |            |           |           | OIFF.               | 26-        | 7         |               |           |

## SIREs OF DHIA DAUGHTERS

| SIRE'S OF DATA DAUGHTERS |                                 |     |                  | AV. RECORDS | PRODUCTION OF MILK LB | DF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERO-MATES MILK LB | AV. FAT LB | PREDICTED MILK LB | AV. FAT LB |
|--------------------------|---------------------------------|-----|------------------|-------------|-----------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| JERSEY                   |                                 |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 574714                   | BASIL STANOARO JDE.....         |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 01-20-57                 | 472114 1547579                  | 9   | NDN-AI DAUGHTERS | 12          | 11,101                | 5.6       | 620         |                 |                    |            |                   |            |
|                          | LISTED, 11-63                   | 9   | WITH HERD-MATES  | 12          | 11,101                | 5.6       | 620         |                 |                    |            |                   |            |
| STATES-                  | 92                              |     |                  |             |                       |           |             | 12              | 9,857              | 538        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 1244               | 82         |                   |            |
| 574726                   | .....                           |     |                  |             |                       |           |             |                 |                    |            |                   |            |
|                          |                                 | 8   | NDN-AI DAUGHTERS | 8           | 8,968                 | 4.9       | 441         |                 |                    |            |                   |            |
| STATES-                  | 92                              | 8   | WITH HERD-MATES  | 8           | 8,968                 | 4.9       | 441         |                 |                    |            |                   |            |
|                          |                                 |     |                  |             |                       |           |             | 14              | 8,943              | 471        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 25                 | 30-        |                   |            |
| 574745                   | SABLE-S COMMANDO MISSION.....   |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 07-07-56                 | 556063 2057350                  | 12  | NON-AI DAUGHTERS | 19          | 8,526                 | 5.5       | 468         |                 |                    |            |                   |            |
|                          | LISTED, 03-64                   | 12  | WITH HERD-MATES  | 19          | 8,526                 | 5.5       | 468         |                 |                    |            |                   |            |
| STATES-                  | 43                              |     |                  |             |                       |           |             | 20              | 7,493              | 399        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 1033               | 69         |                   |            |
| 574748                   | SABLE-S FAVORITE PRIZE.....     |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 11-04-56                 | 556063 2000558                  | 136 | AI DAUGHTERS-25* | 171         | 8,448                 | 5.8       | 486         |                 |                    |            |                   |            |
| AI STUD, 91-01           | LISTED, 05-64                   | 130 | WITH HERD-MATES  | 164         | 8,418                 | 5.8       | 485         |                 |                    |            |                   |            |
| STATES-                  | 11,13,81,82,91,92,93            |     |                  |             |                       |           |             | 16              | 9,042              | 485        | 7,587             | 422        |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 624-               |            |                   |            |
|                          |                                 | 1   | NON-AI DAUGHTERS | 1           | 9,000                 | 6.1       | 546         |                 |                    |            |                   |            |
|                          |                                 | 1   | WITH HERD-MATES  | 1           | 9,000                 | 6.1       | 546         |                 |                    |            |                   |            |
|                          |                                 |     |                  |             |                       |           |             | 2               | 9,012              | 539        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 12-                | 7          |                   |            |
| 574752                   | PATHFINOER-S PIDNEER.....       |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 12-23-56                 | 557868 1796086                  | 33  | NDN-AI DAUGHTERS | 47          | 9,330                 | 5.0       | 471         |                 |                    |            |                   |            |
| AI STUD, 93-10           | LISTED, 05-64                   | 33  | WITH HERD-MATES  | 47          | 9,330                 | 5.0       | 471         |                 |                    |            |                   |            |
| STATES-                  | 33,41,42,92                     |     |                  |             |                       |           |             | 41              | 8,789              | 457        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 541                | 14         |                   |            |
| 574755                   | BRAMPTON KAVAN RADAR.....       |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 11-23-55                 | 475948 010137007                | 19  | AI DAUGHTERS-09  | 31          | 7,110                 | 5.4       | 383         |                 |                    |            |                   |            |
| AI STUD, 63-02           | LISTED, 03-64                   | 19  | WITH HERD-MATES  | 31          | 7,110                 | 5.4       | 383         |                 |                    |            |                   |            |
| STATES-                  | 43,63                           |     |                  |             |                       |           |             | 21              | 8,164              | 410        | 7,429             | 399        |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 1054-              | 27-        |                   |            |
| 574951                   | T.S.F. BINGD.....               |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 01-27-57                 | 552535 1785529                  | 8   | NDN-AI DAUGHTERS | 11          | 8,944                 | 5.2       | 469         |                 |                    |            |                   |            |
|                          | LISTED, 11-63                   | 8   | WITH HERD-MATES  | 11          | 8,944                 | 5.2       | 469         |                 |                    |            |                   |            |
| STATES-                  | 21                              |     |                  |             |                       |           |             | 10              | 8,702              | 463        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 242                | 6          |                   |            |
| 574993                   | BRIGHAM SPARKLING NEVIN.....    |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 02-28-57                 | 526610 1732926                  | 20  | NON-AI DAUGHTERS | 25          | 8,554                 | 5.3       | 456         |                 |                    |            |                   |            |
|                          | LISTED, 01-63                   | 19  | WITH HERD-MATES  | 24          | 8,504                 | 5.3       | 452         |                 |                    |            |                   |            |
| STATES-                  | 14                              |     |                  |             |                       |           |             | 18              | 8,844              | 473        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 340-               | 21-        |                   |            |
| 574994                   | BRIGHAM ADVANCER NELSON.....    |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 03-23-57                 | 544480 1809498                  | 57  | AI DAUGHTERS-25* | 91          | 8,754                 | 5.2       | 457         |                 |                    |            |                   |            |
| AI STUD, 21-01           | LISTED, 05-64                   | 56  | WITH HERD-MATES  | 89          | 8,745                 | 5.2       | 459         |                 |                    |            |                   |            |
| STATES-                  | 12,13,21                        |     |                  |             |                       |           |             | 20              | 8,791              | 458        | 8,087             | 420        |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 46-                | 1          |                   |            |
| 575052                   | .....                           |     |                  |             |                       |           |             |                 |                    |            |                   |            |
|                          |                                 | 5   | NON-AI DAUGHTERS | 7           | 7,419                 | 4.7       | 352         |                 |                    |            |                   |            |
| STATES-                  | 61                              | 5   | WITH HERD-MATES  | 7           | 7,419                 | 4.7       | 352         |                 |                    |            |                   |            |
|                          |                                 |     |                  |             |                       |           |             | 17              | 8,077              | 395        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 658-               | 43-        |                   |            |
| 575155                   | .....                           |     |                  |             |                       |           |             |                 |                    |            |                   |            |
|                          |                                 | 5   | NON-AI DAUGHTERS | 7           | 5,378                 | 5.6       | 300         |                 |                    |            |                   |            |
| STATES-                  | 13                              | 5   | WITH HERD-MATES  | 7           | 5,378                 | 5.6       | 300         |                 |                    |            |                   |            |
|                          |                                 |     |                  |             |                       |           |             | 11              | 6,923              | 338        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 1545-              | 38-        |                   |            |
| 575186                   | CROWNING WINSOME DESIGNER.....  |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 03-12-56                 | 550262 1810170                  | 25  | NDN-AI DAUGHTERS | 46          | 8,559                 | 5.0       | 430         |                 |                    |            |                   |            |
|                          | LISTED, 01-63                   | 25  | WITH HERD-MATES  | 46          | 8,559                 | 5.0       | 430         |                 |                    |            |                   |            |
| STATES-                  | 13,21,23,33,51,55,63            |     |                  |             |                       |           |             | 19              | 8,572              | 442        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 13-                | 12-        |                   |            |
| 575217                   | ADVANCER MARKSMAN.....          |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 01-10-57                 | 528332 1786228                  | 14  | NDN-AI DAUGHTERS | 21          | 5,825                 | 5.3       | 309         |                 |                    |            |                   |            |
|                          | LISTED, 08-63                   | 14  | WITH HERD-MATES  | 21          | 5,825                 | 5.3       | 309         |                 |                    |            |                   |            |
| STATES-                  | 64                              |     |                  |             |                       |           |             | 25              | 7,030              | 364        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 1205-              | 55-        |                   |            |
| 575234                   | KATHIE BARDNET CHALLENGER.....  |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 12-30-54                 | 539167 1715210                  | 11  | NDN-AI DAUGHTERS | 17          | 7,476                 | 5.5       | 412         |                 |                    |            |                   |            |
|                          | LISTED, 08-62                   | 11  | WITH HERD-MATES  | 17          | 7,476                 | 5.5       | 412         |                 |                    |            |                   |            |
| STATES-                  | 92                              |     |                  |             |                       |           |             | 16              | 8,099              | 433        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 623-               | 21-        |                   |            |
| 575251                   | VICTORY FIRECRACKER MARVEL..... |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 10-27-56                 | 473215 1623372                  | 15  | NON-AI DAUGHTERS | 23          | 8,584                 | 5.5       | 473         |                 |                    |            |                   |            |
|                          | LISTED, 08-63                   | 15  | WITH HERD-MATES  | 23          | 8,584                 | 5.5       | 473         |                 |                    |            |                   |            |
| STATES-                  | 23,31                           |     |                  |             |                       |           |             | 19              | 7,813              | 431        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 771                | 42         |                   |            |
| 575276                   | .....                           |     |                  |             |                       |           |             |                 |                    |            |                   |            |
|                          |                                 | 5   | NDN-AI DAUGHTERS | 5           | 7,464                 | 4.9       | 367         |                 |                    |            |                   |            |
| STATES-                  | 32                              | 5   | WITH HERD-MATES  | 5           | 7,464                 | 4.9       | 367         |                 |                    |            |                   |            |
|                          |                                 |     |                  |             |                       |           |             | 5               | 7,510              | 389        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 46-                | 22-        |                   |            |
| 575344                   | BIJOU-S JESTER ROYAL.....       |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 12-20-56                 | 524573 1737994                  | 15  | NON-AI DAUGHTERS | 24          | 7,498                 | 4.7       | 355         |                 |                    |            |                   |            |
|                          | LISTED, 08-63                   | 15  | WITH HERD-MATES  | 24          | 7,498                 | 4.7       | 355         |                 |                    |            |                   |            |
| STATES-                  | 63                              |     |                  |             |                       |           |             | 14              | 7,302              | 353        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 196                | 2          |                   |            |
| 575408                   | RANDLEIGH SUPER GOLO STAR.....  |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 06-27-56                 | 491556 1804172                  | 20  | NDN-AI DAUGHTERS | 29          | 8,770                 | 5.1       | 443         |                 |                    |            |                   |            |
|                          | LISTED, 03-64                   | 20  | WITH HERD-MATES  | 29          | 8,770                 | 5.1       | 443         |                 |                    |            |                   |            |
| STATES-                  | 21                              |     |                  |             |                       |           |             | 7               | 8,263              | 429        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 507                | 14         |                   |            |
| 575422                   | .....                           |     |                  |             |                       |           |             |                 |                    |            |                   |            |
|                          |                                 | 5   | NON-AI DAUGHTERS | 8           | 9,288                 | 5.2       | 483         |                 |                    |            |                   |            |
| STATES-                  | 21                              | 4   | WITH HERD-MATES  | 6           | 9,326                 | 5.3       | 492         |                 |                    |            |                   |            |
|                          |                                 |     |                  |             |                       |           |             | 18              | 9,117              | 479        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 209                | 13         |                   |            |
| 575560                   | ZEPHYR-S TOP-HAT.....           |     |                  |             |                       |           |             |                 |                    |            |                   |            |
| 03-07-57                 | 550285 2118715                  | 20  | NDN-AI DAUGHTERS | 35          | 8,767                 | 5.1       | 443         |                 |                    |            |                   |            |
|                          | LISTED, 08-63                   | 20  | WITH HERD-MATES  | 35          | 8,767                 | 5.1       | 443         |                 |                    |            |                   |            |
| STATES-                  | 34                              |     |                  |             |                       |           |             | 7               | 7,691              | 412        |                   |            |
|                          |                                 |     |                  |             |                       |           |             | DIFF.           | 1076               | 31         |                   |            |

## SIREN OF DHIA DAUGHTERS

| JERSEY           |                                  |    |                  | AV. RECORDS | PRODUCTION OF MILK LBS | TEST % | DAU. FAT LBS | ADJ. AV. MILK LBS | HERD-MATES AV. FAT LBS | PREDICTED AV. MILK LBS | FAT LBS   |
|------------------|----------------------------------|----|------------------|-------------|------------------------|--------|--------------|-------------------|------------------------|------------------------|-----------|
| 575676           | ETTA-S JIM JESTER JIM.....       |    |                  |             |                        |        |              |                   |                        |                        |           |
| 01-13-56         | 555196 1943351                   | 10 | NON-AI DAUGHTERS | 14          | 7,765                  | 5.2    | 406          |                   |                        |                        |           |
|                  | LISTED, 01-63                    | 10 | WITH HERD-MATES  | 14          | 7,765                  | 5.2    | 406          |                   |                        |                        |           |
| STATES- 32       |                                  |    |                  |             |                        |        |              | 7 DIFF.           | 7,392 373              | 368 38                 |           |
| 575678           | SQUVENIR ADVANCER COUNT.....     |    |                  |             |                        |        |              |                   |                        |                        |           |
| 04-13-56         | 563278 1901970                   | 12 | NON-AI DAUGHTERS | 14          | 9,461                  | 4.8    | 450          |                   |                        |                        |           |
|                  | LISTED, 11-63                    | 12 | WITH HERD-MATES  | 14          | 9,461                  | 4.8    | 450          |                   |                        |                        |           |
| STATES- 31       |                                  |    |                  |             |                        |        |              | 10 DIFF.          | 8,481 980              | 424 26                 |           |
| 575693           | NORMSLAND FROSTY VICTORY.....    |    |                  |             |                        |        |              |                   |                        |                        |           |
| 10-28-56         | 473215 1652984                   | 15 | NON-AI DAUGHTERS | 25          | 11,291                 | 5.1    | 579          |                   |                        |                        |           |
|                  | LISTED, 03-64                    | 15 | WITH HERD-MATES  | 25          | 11,291                 | 5.1    | 579          |                   |                        |                        |           |
| STATES- 11       |                                  |    |                  |             |                        |        |              | 20 DIFF.          | 10,613 678             | 544 35                 |           |
| 575723           | FIELDCRESTS PINNACLE 808.....    |    |                  |             |                        |        |              |                   |                        |                        |           |
| 12-02-56         | 525658 1853920                   | 8  | NDN-AI DAUGHTERS | 12          | 5,177                  | 5.3    | 276          |                   |                        |                        |           |
|                  | LISTED, 11-63                    | 8  | WITH HERD-MATES  | 12          | 5,177                  | 5.3    | 276          |                   |                        |                        |           |
| STATES- 74       |                                  |    |                  |             |                        |        |              | 34 DIFF.          | 4,810 367              | 255 21                 |           |
| 575772           | FOLLYS MERCURY.....              |    |                  |             |                        |        |              |                   |                        |                        |           |
| 10-30-56         | 526707 2036476                   | 9  | NDN-AI DAUGHTERS | 13          | 9,612                  | 5.2    | 502          |                   |                        |                        |           |
|                  | LISTED, 11-63                    | 9  | WITH HERD-MATES  | 13          | 9,612                  | 5.2    | 502          |                   |                        |                        |           |
| STATES- 21       |                                  |    |                  |             |                        |        |              | 14 DIFF.          | 9,636 24-              | 491 11                 |           |
| 575800           | NANCY-S BASIL DEL NORTE.....     |    |                  |             |                        |        |              |                   |                        |                        |           |
| 02-17-56         | 509120 1764968                   | 8  | AI DAUGHTERS-04  | 8           | 7,928                  | 4.8    | 380          |                   |                        |                        |           |
| AI STUD, 71-01   | LISTED, 03-64                    | 7  | WITH HERD-MATES  | 7           | 7,861                  | 4.8    | 380          |                   |                        |                        |           |
| STATES- 71,72    |                                  |    |                  |             |                        |        |              | 15 DIFF.          | 7,398 463              | 359 21                 | 8,209 421 |
|                  |                                  | 4  | NDN-AI DAUGHTERS | 6           | 6,376                  | 5.2    | 332          |                   |                        |                        |           |
|                  |                                  | 4  | WITH HERD-MATES  | 6           | 6,376                  | 5.2    | 332          |                   |                        |                        |           |
|                  |                                  |    |                  |             |                        |        |              | 23 DIFF.          | 7,332 956-             | 369 37-                |           |
| 575803           | .....                            |    |                  |             |                        |        |              |                   |                        |                        |           |
|                  |                                  | 5  | NDN-AI DAUGHTERS | 8           | 7,417                  | 5.5    | 411          |                   |                        |                        |           |
| STATES- 31       |                                  | 5  | WITH HERD-MATES  | 8           | 7,417                  | 5.5    | 411          |                   |                        |                        |           |
|                  |                                  |    |                  |             |                        |        |              | 4 DIFF.           | 7,367 50               | 394 17                 |           |
| 575821           | .....                            |    |                  |             |                        |        |              |                   |                        |                        |           |
|                  |                                  | 5  | NON-AI DAUGHTERS | 5           | 10,418                 | 5.2    | 544          |                   |                        |                        |           |
| STATES- 92       |                                  | 5  | WITH HERD-MATES  | 5           | 10,418                 | 5.2    | 544          |                   |                        |                        |           |
|                  |                                  |    |                  |             |                        |        |              | 13 DIFF.          | 9,299 1119             | 488 56                 |           |
| 575828           | TEXAM 88G OBSERVER CRIS.....     |    |                  |             |                        |        |              |                   |                        |                        |           |
| 11-23-56         | 419248 1862562                   | 25 | AI DAUGHTERS-02  | 33          | 8,662                  | 5.1    | 441          |                   |                        |                        |           |
| AI STUD, 74-01   | LISTED, 08-63                    | 25 | WITH HERD-MATES  | 33          | 8,662                  | 5.1    | 441          |                   |                        |                        |           |
| STATES- 74       |                                  |    |                  |             |                        |        |              | 25 DIFF.          | 8,684 22-              | 436 5                  | 8,093 421 |
| 575877           | .....                            |    |                  |             |                        |        |              |                   |                        |                        |           |
|                  |                                  | 7  | NON-AI DAUGHTERS | 7           | 7,280                  | 5.5    | 398          |                   |                        |                        |           |
| STATES- 42       |                                  | 7  | WITH HERD-MATES  | 7           | 7,280                  | 5.5    | 398          |                   |                        |                        |           |
|                  |                                  |    |                  |             |                        |        |              | 8 DIFF.           | 7,599 319-             | 417 19-                |           |
| 575905           | OAK KNOLL RECORDS.....           |    |                  |             |                        |        |              |                   |                        |                        |           |
| 11-04-56         | 537666 1954631                   | 65 | AI DAUGHTERS-25* | 106         | 8,895                  | 4.9    | 438          |                   |                        |                        |           |
| AI STUD, 31-02   | LISTED, 05-64                    | 64 | WITH HERD-MATES  | 105         | 8,922                  | 4.9    | 439          |                   |                        |                        |           |
| STATES- 31,56,58 |                                  |    |                  |             |                        |        |              | 17 DIFF.          | 8,597 325              | 443 4-                 | 8,384 415 |
| 575947           | ADVANCER COMMANDO MILESTONE..... |    |                  |             |                        |        |              |                   |                        |                        |           |
| 03-11-57         | 563805 1968096                   | 11 | NON-AI DAUGHTERS | 18          | 8,888                  | 5.2    | 463          |                   |                        |                        |           |
|                  | LISTED, 11-63                    | 11 | WITH HERD-MATES  | 18          | 8,888                  | 5.2    | 463          |                   |                        |                        |           |
| STATES- 55       |                                  |    |                  |             |                        |        |              | 9 DIFF.           | 8,851 37               | 440 23                 |           |
| 576039           | .....                            |    |                  |             |                        |        |              |                   |                        |                        |           |
|                  |                                  | 7  | NON-AI DAUGHTERS | 7           | 7,404                  | 5.2    | 388          |                   |                        |                        |           |
| STATES- 31       |                                  | 7  | WITH HERD-MATES  | 7           | 7,404                  | 5.2    | 388          |                   |                        |                        |           |
|                  |                                  |    |                  |             |                        |        |              | 5 DIFF.           | 8,471 1067-            | 427 39-                |           |
| 576049           | JESTER J FAVORITE.....           |    |                  |             |                        |        |              |                   |                        |                        |           |
| 11-18-56         | 504013 1535136                   | 10 | NON-AI DAUGHTERS | 15          | 8,236                  | 5.2    | 428          |                   |                        |                        |           |
| AI STUD, 33-03   | LISTED, 03-64                    | 10 | WITH HERD-MATES  | 14          | 8,206                  | 5.2    | 425          |                   |                        |                        |           |
| STATES- 47       |                                  |    |                  |             |                        |        |              | 5 DIFF.           | 7,496 710              | 426 1-                 |           |
| 576077           | OAK KNOLL MAID BASIL.....        |    |                  |             |                        |        |              |                   |                        |                        |           |
| 02-12-57         | 561495 2106555                   | 10 | NDN-AI DAUGHTERS | 14          | 8,772                  | 5.2    | 456          |                   |                        |                        |           |
|                  | LISTED, 11-63                    | 10 | WITH HERD-MATES  | 14          | 8,772                  | 5.2    | 456          |                   |                        |                        |           |
| STATES- 35,42    |                                  |    |                  |             |                        |        |              | 6 DIFF.           | 7,620 1152             | 416 40                 |           |
| 576094           | HERDSRING STAN SPARKLE.....      |    |                  |             |                        |        |              |                   |                        |                        |           |
| 08-07-55         | 508078 1511051                   | 17 | NON-AI DAUGHTERS | 36          | 7,818                  | 5.3    | 414          |                   |                        |                        |           |
|                  | LISTED, 08-62                    | 16 | WITH HERD-MATES  | 35          | 7,871                  | 5.3    | 415          |                   |                        |                        |           |
| STATES- 56,65    |                                  |    |                  |             |                        |        |              | 13 DIFF.          | 7,567 304              | 393 22                 |           |
| 576126           | MARSHALL PATRIARCH.....          |    |                  |             |                        |        |              |                   |                        |                        |           |
| 04-27-57         | 533617 1868594                   | 9  | NON-AI DAUGHTERS | 10          | 10,669                 | 5.0    | 536          |                   |                        |                        |           |
|                  | LISTED, 03-64                    | 9  | WITH HERD-MATES  | 10          | 10,669                 | 5.0    | 536          |                   |                        |                        |           |
| STATES- 22       |                                  |    |                  |             |                        |        |              | 76 DIFF.          | 10,849 180-            | 559 23-                |           |
| 576127           | SECRET MARKSMAN.....             |    |                  |             |                        |        |              |                   |                        |                        |           |
| 05-22-57         | 497574 2029033                   | 9  | NDN-AI DAUGHTERS | 13          | 11,599                 | 5.7    | 662          |                   |                        |                        |           |
|                  | LISTED, 03-64                    | 9  | WITH HERD-MATES  | 13          | 11,599                 | 5.7    | 662          |                   |                        |                        |           |
| STATES- 13,14,52 |                                  |    |                  |             |                        |        |              | 68 DIFF.          | 11,042 557             | 598 64                 |           |
| 576177           | BLUE SPRINGS MASTERPIECE.....    |    |                  |             |                        |        |              |                   |                        |                        |           |
| 03-21-56         | 543905 2131300                   | 9  | NON-AI DAUGHTERS | 11          | 9,007                  | 5.7    | 511          |                   |                        |                        |           |
|                  | LISTED, 11-63                    | 9  | WITH HERD-MATES  | 11          | 9,007                  | 5.7    | 511          |                   |                        |                        |           |
| STATES- 34,63    |                                  |    |                  |             |                        |        |              | 42 DIFF.          | 10,123 1116-           | 540 29-                |           |
| 576206           | WONDER DESIGN ROYAL.....         |    |                  |             |                        |        |              |                   |                        |                        |           |
| 01-07-56         | 540718 1887259                   | 17 | NON-AI DAUGHTERS | 27          | 7,214                  | 4.8    | 348          |                   |                        |                        |           |
|                  | LISTED, 03-64                    | 17 | WITH HERD-MATES  | 27          | 7,214                  | 4.8    | 348          |                   |                        |                        |           |
| STATES- 56       |                                  |    |                  |             |                        |        |              | 23 DIFF.          | 7,488 274-             | 381 33-                |           |



## SIREs OF DHIA DAUGHTERS

| JERSEY         |                                     |         |                  | AV. PRODUCTION OF DAU. | ADJ. HERO-MATES | AV.    | PREDICTED | AV.    |        |        |      |       |
|----------------|-------------------------------------|---------|------------------|------------------------|-----------------|--------|-----------|--------|--------|--------|------|-------|
|                |                                     |         |                  | RECORDS                | MILK            | TEST   | FAT       | AV.    | MILK   | FAT    | MILK | FAT   |
|                |                                     |         |                  | NUMBER                 | LB              | %      | LB        | NUMBER | LB     | LB     | LB   | LB    |
| 576320         | .....                               |         |                  |                        |                 |        |           |        |        |        |      |       |
| STATES-        | 42                                  | 5       | NDN-AI DAUGHTERS | 5                      | 7,116           | 5.4    | 382       |        |        |        |      |       |
|                |                                     | 5       | WITH HERD-MATES  | 5                      | 7,116           | 5.4    | 382       | 38     | 7,462  | 387    |      |       |
|                |                                     |         |                  |                        |                 |        |           | DIFF.  | 346-   | 5-     |      |       |
| 576421         | DESIGNER DANDY RECORDS.....         |         |                  |                        |                 |        |           |        |        |        |      |       |
| 08-13-56       | 558412                              | 1709611 | 15               | NON-AI DAUGHTERS       | 17              | 6,645  | 5.2       | 346    |        |        |      |       |
|                | LISTED,                             | 03-64   | 15               | WITH HERD-MATES        | 17              | 6,645  | 5.2       | 346    | 19     | 7,639  | 387  |       |
| STATES-        | 63                                  |         |                  |                        |                 |        |           | DIFF.  | 994-   | 41-    |      |       |
| 576494         | ROMULUS BENJAMIN GEDRGE.....        |         |                  |                        |                 |        |           |        |        |        |      |       |
| 04-02-55       | 465889                              | 1657456 | 27               | NDN-AI DAUGHTERS       | 44              | 9,890  | 5.7       | 566    |        |        |      |       |
|                | LISTED,                             | 08-63   | 27               | WITH HERD-MATES        | 44              | 9,890  | 5.7       | 566    | 12     | 9,753  | 522  |       |
| STATES-        | 92                                  |         |                  |                        |                 |        |           | DIFF.  | 137    | 44     |      |       |
| 576497         | LEW-LANO BUSTER STAR.....           |         |                  |                        |                 |        |           |        |        |        |      |       |
| 02-19-57       | 553060                              | 1763387 | 14               | NDN-AI DAUGHTERS       | 24              | 10,663 | 5.2       | 559    |        |        |      |       |
|                | LISTED,                             | 01-63   | 14               | WITH HERD-MATES        | 24              | 10,663 | 5.2       | 559    | 12     | 10,100 | 524  |       |
| STATES-        | 21                                  |         |                  |                        |                 |        |           | DIFF.  | 563    | 35     |      |       |
| 576527         | FDSTER 4-STAR MORNING DAZZLIER..... |         |                  |                        |                 |        |           |        |        |        |      |       |
| 07-06-56       | 567976                              | 2090559 | 25               | NDN-AI DAUGHTERS       | 30              | 7,146  | 4.7       | 337    |        |        |      |       |
|                | LISTED,                             | 03-64   | 24               | WITH HERD-MATES        | 29              | 7,138  | 4.7       | 337    | 20     | 7,124  | 339  |       |
| STATES-        | 61                                  |         |                  |                        |                 |        |           | DIFF.  | 14     | 2-     |      |       |
| 576837         | .....                               |         |                  |                        |                 |        |           |        |        |        |      |       |
| STATES-        | 43                                  | 5       | NDN-AI DAUGHTERS | 6                      | 8,511           | 4.7    | 399       |        |        |        |      |       |
|                |                                     | 5       | WITH HERD-MATES  | 6                      | 8,511           | 4.7    | 399       | 7      | 8,943  | 452    |      |       |
|                |                                     |         |                  |                        |                 |        |           | DIFF.  | 432-   | 53-    |      |       |
| 576838         | .....                               |         |                  |                        |                 |        |           |        |        |        |      |       |
| STATES-        | 32                                  | 10      | NDN-AI DAUGHTERS | 12                     | 8,002           | 5.3    | 427       |        |        |        |      |       |
|                |                                     | 10      | WITH HERD-MATES  | 12                     | 8,002           | 5.3    | 427       | 35     | 8,346  | 440    |      |       |
|                |                                     |         |                  |                        |                 |        |           | DIFF.  | 344-   | 13-    |      |       |
| 576862         | CDRALADS CHALLENGER TRIUMPH.....    |         |                  |                        |                 |        |           |        |        |        |      |       |
| 01-31-54       | 540908                              | 1579902 | 14               | NDN-AI DAUGHTERS       | 27              | 9,457  | 5.7       | 540    |        |        |      |       |
|                | LISTED,                             | 08-62   | 14               | WITH HERD-MATES        | 27              | 9,457  | 5.7       | 540    | 26     | 8,890  | 494  |       |
| STATES-        | 92                                  |         |                  |                        |                 |        |           | DIFF.  | 567    | 46     |      |       |
| 576863         | TRISTRAM SDVEREIGN PRINCE.....      |         |                  |                        |                 |        |           |        |        |        |      |       |
| 08-29-56       | 563431                              | 2063093 | 9                | NDN-AI DAUGHTERS       | 14              | 8,219  | 5.0       | 409    |        |        |      |       |
|                | LISTED,                             | 11-63   | 9                | WITH HERD-MATES        | 14              | 8,219  | 5.0       | 409    | 16     | 8,095  | 402  |       |
| STATES-        | 92                                  |         |                  |                        |                 |        |           | DIFF.  | 124    | 7      |      |       |
| 576910         | .....                               |         |                  |                        |                 |        |           |        |        |        |      |       |
| STATES-        | 34                                  | 5       | NDN-AI DAUGHTERS | 8                      | 8,115           | 5.2    | 424       |        |        |        |      |       |
|                |                                     | 5       | WITH HERD-MATES  | 8                      | 8,115           | 5.2    | 424       | 8      | 7,991  | 406    |      |       |
|                |                                     |         |                  |                        |                 |        |           | DIFF.  | 124    | 18     |      |       |
| 576912         | GOLDEN ETIA ADVANCER.....           |         |                  |                        |                 |        |           |        |        |        |      |       |
| 08-29-57       | 565141                              | 1817414 | 15               | NDN-AI DAUGHTERS       | 22              | 7,725  | 4.9       | 376    |        |        |      |       |
|                | LISTED,                             | 08-63   | 15               | WITH HERD-MATES        | 22              | 7,725  | 4.9       | 376    | 9      | 8,302  | 421  |       |
| STATES-        | 32                                  |         |                  |                        |                 |        |           | DIFF.  | 577-   | 45-    |      |       |
| 577026         | MARLU MANNEQUIN MILESTONE.....      |         |                  |                        |                 |        |           |        |        |        |      |       |
| 12-24-56       | 563805                              | 2092105 | 2                | AI DAUGHTERS-02        |                 |        |           |        |        |        |      |       |
| AI STUD, 41-25 | LISTED,                             | 05-64   | 2                | WITH HERD-MATES        |                 |        |           |        |        |        |      |       |
| STATES-        | 43,48,74                            |         |                  |                        |                 |        |           |        |        |        |      |       |
|                |                                     | 20      | NDN-AI DAUGHTERS | 44                     | 9,869           | 5.5    | 539       |        |        |        |      |       |
|                |                                     | 20      | WITH HERD-MATES  | 44                     | 9,869           | 5.5    | 539       | 16     | 8,798  | 472    |      |       |
|                |                                     |         |                  |                        |                 |        |           | DIFF.  | 1071   | 67     |      |       |
| 577032         | PARKLAND PRIDE-S HERITAGE.....      |         |                  |                        |                 |        |           |        |        |        |      |       |
| 05-11-57       | 557567                              | 1774992 | 18               | NDN-AI DAUGHTERS       | 21              | 5,557  | 5.5       | 307    |        |        |      |       |
|                | LISTED,                             | 03-64   | 18               | WITH HERD-MATES        | 21              | 5,557  | 5.5       | 307    | 6      | 7,171  | 354  |       |
| STATES-        | 31                                  |         |                  |                        |                 |        |           | DIFF.  | 1614-  | 47-    |      |       |
| 577059         | .....                               |         |                  |                        |                 |        |           |        |        |        |      |       |
| STATES-        | 55                                  | 11      | NDN-AI DAUGHTERS | 28                     | 10,150          | 5.1    | 520       |        |        |        |      |       |
|                |                                     | 11      | WITH HERD-MATES  | 28                     | 10,150          | 5.1    | 520       | 22     | 10,477 | 526    |      |       |
|                |                                     |         |                  |                        |                 |        |           | DIFF.  | 327-   | 6-     |      |       |
| 577077         | MERCURYS PANHANDLE FACTDR.....      |         |                  |                        |                 |        |           |        |        |        |      |       |
| 10-01-56       | 560370                              | 1507689 | 20               | NDN-AI DAUGHTERS       | 36              | 7,992  | 5.5       | 443    |        |        |      |       |
|                | LISTED,                             | 08-63   | 20               | WITH HERD-MATES        | 36              | 7,992  | 5.5       | 443    | 17     | 7,735  | 426  |       |
| STATES-        | 73                                  |         |                  |                        |                 |        |           | DIFF.  | 257    | 17     |      |       |
| 577114         | WILMINGTON ZINNIA-S RADAR.....      |         |                  |                        |                 |        |           |        |        |        |      |       |
| 07-24-57       | 499207                              | 1799993 | 9                | NDN-AI DAUGHTERS       | 11              | 8,103  | 5.6       | 450    |        |        |      |       |
|                | LISTED,                             | 11-63   | 9                | WITH HERD-MATES        | 11              | 8,103  | 5.6       | 450    | 24     | 8,846  | 468  |       |
| STATES-        | 31                                  |         |                  |                        |                 |        |           | DIFF.  | 743-   | 18-    |      |       |
| 577125         | RADAR PHILIODRA PDMPDUS.....        |         |                  |                        |                 |        |           |        |        |        |      |       |
| 12-11-56       | 564644                              | 1455414 | 11               | NDN-AI DAUGHTERS       | 16              | 8,674  | 4.9       | 426    |        |        |      |       |
|                | LISTED,                             | 08-63   | 11               | WITH HERD-MATES        | 16              | 8,674  | 4.9       | 426    | 9      | 8,321  | 413  |       |
| STATES-        | 33                                  |         |                  |                        |                 |        |           | DIFF.  | 353    | 13     |      |       |
| 577146         | WINDSME INDEPENDENCE.....           |         |                  |                        |                 |        |           |        |        |        |      |       |
| 03-20-57       | 554996                              | 1707845 | 11               | NDN-AI DAUGHTERS       | 18              | 6,934  | 4.9       | 339    |        |        |      |       |
|                | LISTED,                             | 08-63   | 11               | WITH HERD-MATES        | 18              | 6,934  | 4.9       | 339    | 8      | 7,711  | 372  |       |
| STATES-        | 32                                  |         |                  |                        |                 |        |           | DIFF.  | 777-   | 33-    |      |       |
| 577147         | .....                               |         |                  |                        |                 |        |           |        |        |        |      |       |
| STATES-        | 92                                  | 8       | NDN-AI DAUGHTERS | 9                      | 8,309           | 5.3    | 438       |        |        |        |      |       |
|                |                                     | 8       | WITH HERD-MATES  | 9                      | 8,309           | 5.3    | 438       | 15     | 8,071  | 436    |      |       |
|                |                                     |         |                  |                        |                 |        |           | DIFF.  | 238    | 2      |      |       |
| 577237         | CHAMPIDNS DDOUBLE.....              |         |                  |                        |                 |        |           |        |        |        |      |       |
| 04-17-56       | 519828                              | 1823982 | 89               | AI DAUGHTERS-25*       | 131             | 9,395  | 5.4       | 508    |        |        |      |       |
| AI STUD, 92-01 | LISTED,                             | 05-64   | 88               | WITH HERD-MATES        | 129             | 9,374  | 5.4       | 506    | 22     | 9,395  | 485  | 8,165 |
| STATES-        | 92                                  |         |                  |                        |                 |        |           | DIFF.  | 21-    | 21     |      | 441   |
|                |                                     | 3       | NDN-AI DAUGHTERS | 5                      | 10,689          | 5.5    | 590       |        |        |        |      |       |
|                |                                     | 3       | WITH HERD-MATES  | 5                      | 10,689          | 5.5    | 590       | 76     | 9,630  | 520    |      |       |
|                |                                     |         |                  |                        |                 |        |           | DIFF.  | 1059   | 70     |      |       |

| JERSEY         |               |               |                       |    | AV. RECORDS | PRODUCTION | OF     | DAU.   | ADJ. AV. | HERO-MATES | AV.    | PREDICTED | AV.    |
|----------------|---------------|---------------|-----------------------|----|-------------|------------|--------|--------|----------|------------|--------|-----------|--------|
|                |               |               |                       |    | NUMBER      | MILK LB    | TEST % | FAT LB | NUMBER   | MILK LB    | FAT LB | MILK LB   | FAT LB |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577248         | COMMANOO      | OEWOROP       | DESIGN.....           |    |             |            |        |        |          |            |        |           |        |
| 01-26-57       | 562640        | 1581654       | 16 NON-AI DAUGHTERS   | 18 | 7,312       | 5.7        | 419    |        |          |            |        |           |        |
|                | LISTED, 11-63 | 16            | WITH HERO-MATES       | 18 | 7,312       | 5.7        | 419    |        | 6        | 7,902      | 442    |           |        |
| STATES-        | 51            |               |                       |    |             |            |        |        | OIFF.    | 590-       | 23-    |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577255         | ILLINOIS      | CENTRAL       | ODN HEAO HUBERT.....  |    |             |            |        |        |          |            |        |           |        |
| 05-19-56       | 522107        | 010205562     | 5 AI DAUGHTERS-03     | 8  | 6,203       | 5.5        | 344    |        |          |            |        |           |        |
| AI STUO, 63-03 | LISTED, 05-64 | 5             | WITH HERO-MATES       | 8  | 6,203       | 5.5        | 344    |        | 19       | 7,782      | 397    | 7,600     | 400    |
| STATES-        | 72            |               |                       |    |             |            |        |        | OIFF.    | 1579-      | 53-    |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577275         | SUPREME       | MODEL         | ADVANCER.....         |    |             |            |        |        |          |            |        |           |        |
| 08-21-57       | 569158        | 1895582       | 8 NON-AI DAUGHTERS    | 9  | 6,866       | 5.3        | 366    |        |          |            |        |           |        |
|                | LISTED, 05-64 | 8             | WITH HERD-MATES       | 9  | 6,866       | 5.3        | 366    |        | 11       | 7,270      | 398    |           |        |
| STATES-        | 31,65         |               |                       |    |             |            |        |        | OIFF.    | 404-       | 32-    |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577289         | ETTA-S        | ADVANCER      | ATTACHE.....          |    |             |            |        |        |          |            |        |           |        |
| 08-21-57       | 568680        | 1963109       | 14 NON-AI DAUGHTERS   | 19 | 9,193       | 5.2        | 477    |        |          |            |        |           |        |
|                | LISTED, 03-64 | 14            | WITH HERD-MATES       | 19 | 9,193       | 5.2        | 477    |        | 7        | 9,242      | 460    |           |        |
| STATES-        | 42            |               |                       |    |             |            |        |        | OIFF.    | 49-        | 17     |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577298         | LORD          | BAS           | BIJOU.....            |    |             |            |        |        |          |            |        |           |        |
| 01-29-57       | 010124853     | 1700781       | 16 NON-AI DAUGHTERS   | 20 | 7,801       | 4.9        | 386    |        |          |            |        |           |        |
|                | LISTED, 08-63 | 16            | WITH HERD-MATES       | 20 | 7,801       | 4.9        | 386    |        | 19       | 7,722      | 413    |           |        |
| STATES-        | 21,58         |               |                       |    |             |            |        |        | OIFF.    | 79         | 27-    |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577311         | DANDY         | SPARKLING     | NAN MIGHTY MOOSE..... |    |             |            |        |        |          |            |        |           |        |
| 08-07-56       | 530653        | 1908899       | 9 NON-AI DAUGHTERS    | 15 | 8,569       | 4.6        | 393    |        |          |            |        |           |        |
|                | LISTED, 11-63 | 9             | WITH HERD-MATES       | 15 | 8,569       | 4.6        | 393    |        | 6        | 9,581      | 448    |           |        |
| STATES-        | 64            |               |                       |    |             |            |        |        | OIFF.    | 1012-      | 55-    |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577359         | COMMANOO      | ODN           | AIM PRINCE.....       |    |             |            |        |        |          |            |        |           |        |
| 06-03-57       | 529973        | 1642648       | 21 NON-AI DAUGHTERS   | 29 | 8,919       | 5.6        | 499    |        |          |            |        |           |        |
|                | LISTED, 08-63 | 21            | WITH HERD-MATES       | 29 | 8,919       | 5.6        | 499    |        | 49       | 8,446      | 471    |           |        |
| STATES-        | 57            |               |                       |    |             |            |        |        | OIFF.    | 473        | 28     |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577388         | TRUE          | TRAIL         | BLAZER.....           |    |             |            |        |        |          |            |        |           |        |
| 05-05-57       | 503554        | 1836567       | 65 AI DAUGHTERS-25*   | 79 | 8,697       | 5.5        | 474    |        |          |            |        |           |        |
| AI STUO, 21-01 | LISTED, 05-64 | 63            | WITH HERD-MATES       | 77 | 8,664       | 5.5        | 473    |        | 16       | 8,747      | 456    | 8,053     | 434    |
| STATES-        | 13,21,23      |               |                       |    |             |            |        |        | OIFF.    | 83-        | 17     |           |        |
|                |               | 1             | NON-AI DAUGHTERS      | 1  | 9,840       | 5.3        | 518    |        | 48       | 9,113      | 505    |           |        |
|                |               | 1             | WITH HERD-MATES       | 1  | 9,840       | 5.3        | 518    |        | OIFF.    | 727        | 13     |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577454         | SPARKLING     | LUCKY         | LEAF.....             |    |             |            |        |        |          |            |        |           |        |
| 06-06-57       | 561673        | 1984998       | 15 NON-AI DAUGHTERS   | 20 | 6,943       | 5.3        | 371    |        |          |            |        |           |        |
|                | LISTED, 11-63 | 15            | WITH HERO-MATES       | 20 | 6,943       | 5.3        | 371    |        | 10       | 8,239      | 415    |           |        |
| STATES-        | 31,32         |               |                       |    |             |            |        |        | OIFF.    | 1296-      | 44-    |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577474         | SYBIL         | CARLETTA-S    | FINALIST.....         |    |             |            |        |        |          |            |        |           |        |
| 05-25-57       | 480642        | 1563732       | 27 AI DAUGHTERS-16    | 37 | 9,991       | 5.1        | 514    |        |          |            |        |           |        |
| AI STUO, 12-03 | LISTED, 05-64 | 26            | WITH HERD-MATES       | 35 | 9,994       | 5.2        | 516    |        | 16       | 9,393      | 496    | 8,565     | 435    |
| STATES-        | 12,13         |               |                       |    |             |            |        |        | OIFF.    | 601        | 20     |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577486         | HARMONY       | W.R.          | ORACONIS.....         |    |             |            |        |        |          |            |        |           |        |
| 08-18-57       | 536772        | 1693932       | 13 NON-AI DAUGHTERS   | 18 | 7,445       | 5.1        | 381    |        |          |            |        |           |        |
|                | LISTED, 03-64 | 13            | WITH HERD-MATES       | 18 | 7,445       | 5.1        | 381    |        | 32       | 7,886      | 406    |           |        |
| STATES-        | 12            |               |                       |    |             |            |        |        | OIFF.    | 441-       | 25-    |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577505         | .....         |               |                       |    |             |            |        |        |          |            |        |           |        |
|                |               | 5             | NON-AI DAUGHTERS      | 6  | 7,489       | 5.3        | 399    |        |          |            |        |           |        |
| STATES-        | 16,31         | 5             | WITH HERD-MATES       | 6  | 7,489       | 5.3        | 399    |        | 10       | 9,260      | 477    |           |        |
|                |               |               |                       |    |             |            |        |        | OIFF.    | 1771-      | 78-    |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577521         | ROWDY         | ANNA          | SUPREME.....          |    |             |            |        |        |          |            |        |           |        |
| 01-02-57       | 544017        | 1849744       | 8 NON-AI DAUGHTERS    | 14 | 8,762       | 5.0        | 440    |        |          |            |        |           |        |
|                | LISTED, 01-63 | 8             | WITH HERD-MATES       | 14 | 8,762       | 5.0        | 440    |        | 22       | 8,818      | 457    |           |        |
| STATES-        | 52            |               |                       |    |             |            |        |        | OIFF.    | 56-        | 17-    |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577752         | PINNACLE      | BLONOE        | AIM JR.....           |    |             |            |        |        |          |            |        |           |        |
| 09-26-54       | 534381        | 1380244       | 17 NON-AI DAUGHTERS   | 27 | 8,205       | 5.7        | 468    |        |          |            |        |           |        |
| AI STUO, 43-02 | LISTED, 08-63 | 17            | WITH HERD-MATES       | 27 | 8,205       | 5.7        | 468    |        | 5        | 8,571      | 448    |           |        |
| STATES-        | 32            |               |                       |    |             |            |        |        | OIFF.    | 366-       | 20     |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577811         | .....         |               |                       |    |             |            |        |        |          |            |        |           |        |
|                |               | 8             | NON-AI DAUGHTERS      | 8  | 9,549       | 5.2        | 495    |        |          |            |        |           |        |
| STATES-        | 82            | 8             | WITH HERD-MATES       | 8  | 9,549       | 5.2        | 495    |        | 10       | 8,979      | 494    |           |        |
|                |               |               |                       |    |             |            |        |        | OIFF.    | 570        | 1      |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577872         | .....         |               |                       |    |             |            |        |        |          |            |        |           |        |
|                |               | 7             | NON-AI DAUGHTERS      | 9  | 9,749       | 4.9        | 480    |        |          |            |        |           |        |
| STATES-        | 31,61         | 7             | WITH HERD-MATES       | 9  | 9,749       | 4.9        | 480    |        | 17       | 8,432      | 432    |           |        |
|                |               |               |                       |    |             |            |        |        | OIFF.    | 1317       | 48     |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 577958         | ADVANCER      | BASIL         | LORD.....             |    |             |            |        |        |          |            |        |           |        |
| 12-17-56       | 493165        | 2222747       | 22 NON-AI DAUGHTERS   | 25 | 9,533       | 5.3        | 510    |        |          |            |        |           |        |
| AI STUO, 11-01 | LISTED, 05-64 | 22            | WITH HERD-MATES       | 25 | 9,533       | 5.3        | 510    |        | 16       | 9,263      | 521    |           |        |
| STATES-        | 13,16         |               |                       |    |             |            |        |        | OIFF.    | 270        | 11-    |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 578090         | WASHINGTON    | NICHOLAS..... |                       |    |             |            |        |        |          |            |        |           |        |
| 05-30-57       | 563941        | 2092062       | 12 NON-AI DAUGHTERS   | 17 | 7,930       | 5.0        | 400    |        |          |            |        |           |        |
|                | LISTED, 01-63 | 12            | WITH HERD-MATES       | 17 | 7,930       | 5.0        | 400    |        | 23       | 8,151      | 420    |           |        |
| STATES-        | 12,13         |               |                       |    |             |            |        |        | OIFF.    | 221-       | 20-    |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 578146         | HIGHFIELD     | WONOROUS      | STANOARD.....         |    |             |            |        |        |          |            |        |           |        |
| 08-23-57       | 489542        | 1766980       | 12 NON-AI DAUGHTERS   | 16 | 10,025      | 5.2        | 519    |        |          |            |        |           |        |
|                | LISTED, 11-63 | 12            | WITH HERD-MATES       | 16 | 10,025      | 5.2        | 519    |        | 45       | 8,903      | 471    |           |        |
| STATES-        | 56,57         |               |                       |    |             |            |        |        | OIFF.    | 1122       | 48     |           |        |
|                |               |               |                       |    |             |            |        |        |          |            |        |           |        |
| 578180         | LA            | PINE          | GOLDEN DESIGNER.....  |    |             |            |        |        |          |            |        |           |        |
| 08-08-56       | 517081        | 1597176       | 11 NON-AI DAUGHTERS   | 12 | 7,849       | 5.7        | 447    |        |          |            |        |           |        |
|                | LISTED, 03-64 | 11            | WITH HERD-MATES       | 12 | 7,849       | 5.7        | 447    |        | 11       | 9,266      | 535    |           |        |
| STATES-        | 92            |               |                       |    |             |            |        |        | OIFF.    | 1417-      | 88-    |           |        |

## SIRE OF DHIA DAUGHTERS

| JERSEY  |         |        |      |     | AV. PRODUCTION OF DAU. |    |   |    | ADJ. HERD-MATES AV. |        |     | PREDICTED AV. |     |
|---|---------|--------|------|-----|------------------------|----|---|----|---------------------|--------|-----|---------------|-----|
|   | RECORDS | MILK   | TEST | FAT | NUMBER                 | L8 | % | L8 | NUMBER              | MILK   | FAT | MILK          | FAT |
| 578237 SECRET COURAGE.....                      |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 10-05-57 497574 1875664 35 AI DAUGHTERS-23      | 46      | 8,840  | 5.1  | 452 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 31-02 LISTED, 05-64 35 WITH HERD-MATES | 45      | 8,820  | 5.1  | 451 |                        |    |   |    | 15                  | 8,752  | 444 | 8,167         | 423 |
| STATES- 31,82,88,92                             |         |        |      |     |                        |    |   |    | DIFF.               | 68     | 7   |               |     |
| 578264 BASILEUS SPARKLING QUALITY.....          |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 11-04-57 547526 1942318 9 NDN-AI DAUGHTERS      | 15      | 8,844  | 5.3  | 467 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 11-63 9 WITH HERD-MATES                 | 15      | 8,844  | 5.3  | 467 |                        |    |   |    | 39                  | 8,560  | 461 |               |     |
| STATES- 43                                      |         |        |      |     |                        |    |   |    | DIFF.               | 284    | 6   |               |     |
| 578308 .....                                    |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| STATES- 91                                      | 5       | 9,642  | 5.2  | 505 |                        |    |   |    | 4                   | 8,686  | 451 |               |     |
| 5 WITH HERD-MATES                               | 5       | 9,642  | 5.2  | 505 |                        |    |   |    | DIFF.               | 956    | 54  |               |     |
| 578330 HEADSPRING SPARKLING MARY 8LDNDE.....    |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 08-19-57 508078 1887778 12 NDN-AI DAUGHTERS     | 21      | 11,007 | 5.2  | 571 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 61-01 LISTED, 03-64 12 WITH HERD-MATES | 21      | 11,007 | 5.2  | 571 |                        |    |   |    | 59                  | 10,783 | 556 |               |     |
| STATES- 56                                      |         |        |      |     |                        |    |   |    | DIFF.               | 224    | 15  |               |     |
| 578340 .....                                    |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| STATES- 31                                      | 5       | 8,988  | 4.7  | 426 |                        |    |   |    | 10                  | 9,256  | 455 |               |     |
| 5 WITH HERD-MATES                               | 8       | 8,988  | 4.7  | 426 |                        |    |   |    | DIFF.               | 268-   | 29- |               |     |
| 578346 8RAMPTON-S MEDALION 8ASIL 8DY.....       |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 02-26-56 534366 1925294 9 NDN-AI DAUGHTERS      | 12      | 8,020  | 5.0  | 397 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 01-63 9 WITH HERD-MATES                 | 12      | 8,020  | 5.0  | 397 |                        |    |   |    | 11                  | 7,217  | 389 |               |     |
| STATES- 31,35                                   |         |        |      |     |                        |    |   |    | DIFF.               | 803    | 8   |               |     |
| 578382 OBSERVER SIGNAL REVIVAL.....             |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 12-22-56 419248 2075775 13 AI DAUGHTERS-08      | 21      | 9,369  | 4.9  | 463 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 48-01 LISTED, 05-64 13 WITH HERD-MATES | 21      | 9,369  | 4.9  | 463 |                        |    |   |    | 12                  | 7,711  | 399 | 8,910         | 448 |
| STATES- 23,48                                   |         |        |      |     |                        |    |   |    | DIFF.               | 1658   | 64  |               |     |
| 578432 ND8LE LUKE.....                          |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 11-26-57 466643 1915794 16 NDN-AI DAUGHTERS     | 18      | 11,384 | 5.2  | 596 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 03-64 15 WITH HERD-MATES                | 17      | 11,413 | 5.2  | 598 |                        |    |   |    | 36                  | 10,649 | 572 |               |     |
| STATES- 93                                      |         |        |      |     |                        |    |   |    | DIFF.               | 764    | 26  |               |     |
| 578549 .....                                    |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| STATES- 31                                      | 5       | 9,258  | 4.9  | 454 |                        |    |   |    | 6                   | 7,886  | 382 |               |     |
| 4 WITH HERD-MATES                               | 4       | 9,243  | 5.0  | 462 |                        |    |   |    | DIFF.               | 1357   | 80  |               |     |
| 578550 MEADDW8RDDK MAID-S SDN.....              |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 07-02-57 551271 2002820 9 NON-AI DAUGHTERS      | 9       | 6,394  | 4.9  | 311 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 03-64 9 WITH HERD-MATES                 | 9       | 6,394  | 4.9  | 311 |                        |    |   |    | 11                  | 7,249  | 360 |               |     |
| STATES- 63                                      |         |        |      |     |                        |    |   |    | DIFF.               | 855-   | 49- |               |     |
| 578575 WASHINGTON APDLLD.....                   |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 10-29-57 546354 1868596 17 AI DAUGHTERS-14      | 17      | 8,514  | 5.2  | 445 |                        |    |   |    |                     |        |     |               |     |
| AI STUD, 12-03 LISTED, 05-64 17 WITH HERD-MATES | 17      | 8,514  | 5.2  | 445 |                        |    |   |    | 16                  | 9,256  | 479 | 7,705         | 400 |
| STATES- 12,13                                   |         |        |      |     |                        |    |   |    | DIFF.               | 742-   | 34- |               |     |
| 578629 CHAMPIDN-S STANDARD.....                 |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 10-26-57 519828 1636074 11 NDN-AI DAUGHTERS     | 12      | 8,863  | 5.8  | 516 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 03-64 11 WITH HERD-MATES                | 12      | 8,863  | 5.8  | 516 |                        |    |   |    | 29                  | 9,081  | 522 |               |     |
| STATES- 21                                      |         |        |      |     |                        |    |   |    | DIFF.               | 218-   | 6-  |               |     |
| 578658 DANDY BASILEUS 8USTER.....               |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 10-07-57 550024 1932142 11 NDN-AI DAUGHTERS     | 14      | 10,864 | 5.3  | 577 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 03-64 11 WITH HERD-MATES                | 14      | 10,864 | 5.3  | 577 |                        |    |   |    | 21                  | 10,140 | 533 |               |     |
| STATES- 43                                      |         |        |      |     |                        |    |   |    | DIFF.               | 724    | 44  |               |     |
| 578726 ENVDY-S DANDY 8DY.....                   |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 03-27-57 567122 2060023 9 NDN-AI DAUGHTERS      | 13      | 7,850  | 5.2  | 411 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 01-63 9 WITH HERD-MATES                 | 13      | 7,850  | 5.2  | 411 |                        |    |   |    | 19                  | 8,801  | 457 |               |     |
| STATES- 41                                      |         |        |      |     |                        |    |   |    | DIFF.               | 951-   | 46- |               |     |
| 578736 8ELMONT PHILIDDRA-S REGAL RDYAL.....     |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 08-26-57 541207 1509216 13 NDN-AI DAUGHTERS     | 15      | 7,578  | 5.2  | 392 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 03-64 13 WITH HERD-MATES                | 15      | 7,578  | 5.2  | 392 |                        |    |   |    | 38                  | 9,186  | 485 |               |     |
| STATES- 64                                      |         |        |      |     |                        |    |   |    | DIFF.               | 1608-  | 93- |               |     |
| 578768 DDDRDTHY RDYAL PINNACLE.....             |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 12-18-56 544963 1968949 14 NDN-AI DAUGHTERS     | 19      | 6,363  | 5.5  | 353 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 11-63 14 WITH HERD-MATES                | 19      | 6,363  | 5.5  | 353 |                        |    |   |    | 8                   | 6,481  | 338 |               |     |
| STATES- 87                                      |         |        |      |     |                        |    |   |    | DIFF.               | 118-   | 15  |               |     |
| 578776 MAID 8ASIL JIM.....                      |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 08-08-57 561495 2103000 17 NDN-AI DAUGHTERS     | 23      | 10,746 | 4.4  | 474 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 05-64 16 WITH HERD-MATES                | 22      | 10,877 | 4.4  | 476 |                        |    |   |    | 7                   | 9,754  | 459 |               |     |
| STATES- 47,48                                   |         |        |      |     |                        |    |   |    | DIFF.               | 1123   | 17  |               |     |
| 578820 ZINNIA-S ADVANCER LUCIFER.....           |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 09-05-57 491174 1867098 9 NDN-AI DAUGHTERS      | 11      | 8,190  | 5.4  | 442 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 11-63 9 WITH HERD-MATES                 | 11      | 8,190  | 5.4  | 442 |                        |    |   |    | 44                  | 9,239  | 491 |               |     |
| STATES- 31                                      |         |        |      |     |                        |    |   |    | DIFF.               | 1049-  | 49- |               |     |
| 578839 CRDWINING KEEPER-S DESIGNER.....         |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 08-25-57 489295 1853661 13 NDN-AI DAUGHTERS     | 15      | 7,026  | 4.9  | 345 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 11-63 13 WITH HERD-MATES                | 15      | 7,026  | 4.9  | 345 |                        |    |   |    | 14                  | 8,100  | 421 |               |     |
| STATES- 23                                      |         |        |      |     |                        |    |   |    | DIFF.               | 1074-  | 76- |               |     |
| 578842 TEXAS TENNESSEE STANDARD.....            |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 05-09-57 495744 1898702 14 NDN-AI DAUGHTERS     | 16      | 8,760  | 4.9  | 427 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 11-63 14 WITH HERD-MATES                | 16      | 8,760  | 4.9  | 427 |                        |    |   |    | 57                  | 8,612  | 428 |               |     |
| STATES- 63,65                                   |         |        |      |     |                        |    |   |    | DIFF.               | 148    | 1-  |               |     |
| 578855 JESILEUS VALIANT.....                    |         |        |      |     |                        |    |   |    |                     |        |     |               |     |
| 08-28-57 542372 1741785 18 NDN-AI DAUGHTERS     | 20      | 8,207  | 5.4  | 442 |                        |    |   |    |                     |        |     |               |     |
| LISTED, 03-64 18 WITH HERD-MATES                | 20      | 8,207  | 5.4  | 442 |                        |    |   |    | 31                  | 8,078  | 445 |               |     |
| STATES- 84                                      |         |        |      |     |                        |    |   |    | DIFF.               | 129    | 3-  |               |     |



## SIRE OF DHIA DAUGHTERS

| JERSEY   | AV. RECD RDS<br>NUMBER | PRDUCTION<br>MILK LB | DN TEST<br>% | DAU.<br>FAT LB | ADJ.<br>AV. MILK<br>NUMBER | HERD-MATES<br>MILK LB | AV. FAT<br>LB | PREDICTED<br>MILK LB | AV. FAT<br>LB |
|--|------------------------|----------------------|--------------|----------------|----------------------------|-----------------------|---------------|----------------------|---------------|
| 578862 BELMONT JESTER KING.....                  |                        |                      |              |                |                            |                       |               |                      |               |
| 11-06-57 547750 1934491 12 NDN-AI DAUGHTERS      | 15                     | 7,908                | 5.0          | 397            |                            |                       |               |                      |               |
| LISTED, 11-63 12 WITH HERD-MATES                 | 15                     | 7,908                | 5.0          | 397            | 69                         | 8,669                 | 428           |                      |               |
| STATES- 63,65                                    |                        |                      |              |                | DIFF.                      | 761-                  | 31-           |                      |               |
| 578870 WINDSME HEARTSEASE DESIGN.....            |                        |                      |              |                |                            |                       |               |                      |               |
| 09-14-57 567976 2030241 12 NDN-AI DAUGHTERS      | 16                     | 7,861                | 4.9          | 388            |                            |                       |               |                      |               |
| LISTED, 08-63 12 WITH HERD-MATES                 | 16                     | 7,861                | 4.9          | 388            | 6                          | 8,286                 | 430           |                      |               |
| STATES- 31                                       |                        |                      |              |                | DIFF.                      | 425-                  | 42-           |                      |               |
| 578908 CMDMANDD SYBIL CLIPPER.....               |                        |                      |              |                |                            |                       |               |                      |               |
| 08-18-57 567842 2071946 8 NDN-AI DAUGHTERS       | 9                      | 8,113                | 5.3          | 431            |                            |                       |               |                      |               |
| LISTED, 11-63 7 WITH HERD-MATES                  | 8                      | 8,210                | 5.3          | 438            | 4                          | 7,781                 | 416           |                      |               |
| STATES- 33                                       |                        |                      |              |                | DIFF.                      | 429                   | 22            |                      |               |
| 578958 BRAMPTON LUCRET CARDM.....                |                        |                      |              |                |                            |                       |               |                      |               |
| 03-02-56 010121754 010187463 16 NDN-AI DAUGHTERS | 17                     | 7,534                | 5.2          | 391            |                            |                       |               |                      |               |
| LISTED, 11-63 16 WITH HERD-MATES                 | 17                     | 7,534                | 5.2          | 391            | 6                          | 7,721                 | 404           |                      |               |
| STATES- 92                                       |                        |                      |              |                | DIFF.                      | 187-                  | 13-           |                      |               |
| 578962 .....                                     |                        |                      |              |                |                            |                       |               |                      |               |
| STATES- 55 6 NDN-AI DAUGHTERS                    | 6                      | 6,377                | 4.9          | 310            |                            |                       |               |                      |               |
| 5 WITH HERD-MATES                                | 5                      | 6,852                | 4.9          | 339            | 15                         | 6,732                 | 332           |                      |               |
|  |                        |                      |              |                | DIFF.                      | 120                   | 7             |                      |               |
| 579088 MARLU ADVANCER MILESTONE.....             |                        |                      |              |                |                            |                       |               |                      |               |
| 07-04-57 536805 1743569 9 NON-AI DAUGHTERS       | 12                     | 7,827                | 5.8          | 452            |                            |                       |               |                      |               |
| LISTED, 08-63 9 WITH HERD-MATES                  | 12                     | 7,827                | 5.8          | 452            | 16                         | 9,281                 | 477           |                      |               |
| STATES- 31                                       |                        |                      |              |                | DIFF.                      | 1454-                 | 25-           |                      |               |
| 579104 .....                                     |                        |                      |              |                |                            |                       |               |                      |               |
| STATES- 45 7 NDN-AI DAUGHTERS                    | 7                      | 5,694                | 5.0          | 286            |                            |                       |               |                      |               |
| 7 WITH HERD-MATES                                | 7                      | 5,694                | 5.0          | 286            | 4                          | 6,708                 | 342           |                      |               |
|  |                        |                      |              |                | DIFF.                      | 1014-                 | 56-           |                      |               |
| 579116 BASIL SNOWDRDP LAD.....                   |                        |                      |              |                |                            |                       |               |                      |               |
| 08-08-57 532355 1851307 12 NDN-AI DAUGHTERS      | 16                     | 8,145                | 5.2          | 423            |                            |                       |               |                      |               |
| LISTED, 03-64 12 WITH HERD-MATES                 | 16                     | 8,145                | 5.2          | 423            | 16                         | 8,747                 | 462           |                      |               |
| STATES- 61,63                                    |                        |                      |              |                | DIFF.                      | 602-                  | 39-           |                      |               |
| 579125 BRAMPTON BASIL CARDM.....                 |                        |                      |              |                |                            |                       |               |                      |               |
| 01-26-57 010121754 010271324 27 AI DAUGHTERS-19  | 34                     | 8,764                | 5.2          | 453            |                            |                       |               |                      |               |
| AI STUD, 91-01 LISTED, 05-64 26 WITH HERD-MATES  | 32                     | 8,815                | 5.2          | 456            | 13                         | 8,943                 | 485           | 8,039                | 401           |
| STATES- 81,91,92                                 |                        |                      |              |                | DIFF.                      | 128-                  | 29-           |                      |               |
| 579149 .....                                     |                        |                      |              |                |                            |                       |               |                      |               |
| STATES- 87 6 NDN-AI DAUGHTERS                    | 6                      | 7,290                | 5.0          | 365            |                            |                       |               |                      |               |
| 6 WITH HERD-MATES                                | 6                      | 7,290                | 5.0          | 365            | 11                         | 6,961                 | 351           |                      |               |
|  |                        |                      |              |                | DIFF.                      | 329                   | 14            |                      |               |
| 579191 .....                                     |                        |                      |              |                |                            |                       |               |                      |               |
| STATES- 32 5 NDN-AI DAUGHTERS                    | 5                      | 5,910                | 5.2          | 305            |                            |                       |               |                      |               |
| 5 WITH HERD-MATES                                | 5                      | 5,910                | 5.2          | 305            | 8                          | 6,750                 | 358           |                      |               |
|  |                        |                      |              |                | DIFF.                      | 840-                  | 53-           |                      |               |
| 579205 MARLU MILKMAN IDDL.....                   |                        |                      |              |                |                            |                       |               |                      |               |
| 10-07-57 550331 2057465 88 AI DAUGHTERS-25*      | 124                    | 8,330                | 5.2          | 433            |                            |                       |               |                      |               |
| AI STUD, 21-01 LISTED, 05-64 88 WITH HERD-MATES  | 124                    | 8,330                | 5.2          | 433            | 19                         | 8,643                 | 451           | 7,842                | 403           |
| STATES- 13,16,21                                 |                        |                      |              |                | DIFF.                      | 313-                  | 18-           |                      |               |
| 579206 MARLU SNOWDRDP SUPREME.....               |                        |                      |              |                |                            |                       |               |                      |               |
| 12-27-57 506147 2044727 10 NDN-AI DAUGHTERS      | 11                     | 9,136                | 4.9          | 446            |                            |                       |               |                      |               |
| AI STUD, 33-03 LISTED, 03-64 10 WITH HERD-MATES  | 11                     | 9,136                | 4.9          | 446            | 16                         | 9,758                 | 486           |                      |               |
| STATES- 55                                       |                        |                      |              |                | DIFF.                      | 622-                  | 40-           |                      |               |
| 579233 TRISTRAM SDVEREIGN SAM.....               |                        |                      |              |                |                            |                       |               |                      |               |
| 02-06-57 563431 1996321 8 NDN-AI DAUGHTERS       | 13                     | 8,550                | 5.5          | 473            |                            |                       |               |                      |               |
| LISTED, 01-63 8 WITH HERD-MATES                  | 13                     | 8,550                | 5.5          | 473            | 28                         | 8,816                 | 477           |                      |               |
| STATES- 82,88,92                                 |                        |                      |              |                | DIFF.                      | 266-                  | 4-            |                      |               |
| 579234 TRISTRAM SDVEREIGN SAMPSON.....           |                        |                      |              |                |                            |                       |               |                      |               |
| 02-28-57 563431 1830160 16 NDN-AI DAUGHTERS      | 22                     | 8,346                | 5.7          | 472            |                            |                       |               |                      |               |
| LISTED, 08-63 16 WITH HERD-MATES                 | 22                     | 8,346                | 5.7          | 472            | 15                         | 8,482                 | 467           |                      |               |
| STATES- 82,88                                    |                        |                      |              |                | DIFF.                      | 136-                  | 5             |                      |               |
| 579238 .....                                     |                        |                      |              |                |                            |                       |               |                      |               |
| STATES- 84 5 NDN-AI DAUGHTERS                    | 5                      | 9,664                | 4.8          | 467            |                            |                       |               |                      |               |
| 5 WITH HERD-MATES                                | 5                      | 9,664                | 4.8          | 467            | 3                          | 8,338                 | 456           |                      |               |
|  |                        |                      |              |                | DIFF.                      | 1326                  | 11            |                      |               |
| 579260 MISTER COMMANDO DF LANE.....              |                        |                      |              |                |                            |                       |               |                      |               |
| 02-13-56 521974 1616437 26 NDN-AI DAUGHTERS      | 52                     | 8,966                | 5.3          | 471            |                            |                       |               |                      |               |
| LISTED, 01-63 26 WITH HERD-MATES                 | 52                     | 8,966                | 5.3          | 471            | 26                         | 8,500                 | 443           |                      |               |
| STATES- 34                                       |                        |                      |              |                | DIFF.                      | 466                   | 28            |                      |               |
| 579284 .....                                     |                        |                      |              |                |                            |                       |               |                      |               |
| STATES- 21,22 5 NDN-AI DAUGHTERS                 | 6                      | 7,531                | 5.4          | 403            |                            |                       |               |                      |               |
| 5 WITH HERD-MATES                                | 5                      | 7,624                | 5.4          | 409            | 10                         | 7,492                 | 398           |                      |               |
|  |                        |                      |              |                | DIFF.                      | 132                   | 11            |                      |               |
| 579316 PRDMTER-S WIZARD OF DZ.....               |                        |                      |              |                |                            |                       |               |                      |               |
| 03-28-57 465708 1886702 15 NDN-AI DAUGHTERS      | 27                     | 8,767                | 5.3          | 462            |                            |                       |               |                      |               |
| LISTED, 11-63 14 WITH HERD-MATES                 | 25                     | 9,099                | 5.3          | 481            | 9                          | 7,682                 | 404           |                      |               |
| STATES- 42                                       |                        |                      |              |                | DIFF.                      | 1417                  | 77            |                      |               |
| 579343 JESTER X SIR.....                         |                        |                      |              |                |                            |                       |               |                      |               |
| 10-25-55 556018 1730387 9 NDN-AI DAUGHTERS       | 9                      | 9,499                | 5.3          | 508            |                            |                       |               |                      |               |
| LISTED, 05-64 9 WITH HERD-MATES                  | 9                      | 9,499                | 5.3          | 508            | 9                          | 7,743                 | 420           |                      |               |
| STATES- 82                                       |                        |                      |              |                | DIFF.                      | 1756                  | 88            |                      |               |
| 579344 JESTER DESIGN SDNNYBOY.....               |                        |                      |              |                |                            |                       |               |                      |               |
| 08-08-56 556018 1539264 12 NDN-AI DAUGHTERS      | 23                     | 8,432                | 5.4          | 452            |                            |                       |               |                      |               |
| LISTED, 03-64 12 WITH HERD-MATES                 | 22                     | 8,402                | 5.3          | 449            | 12                         | 8,798                 | 462           |                      |               |
| STATES- 82                                       |                        |                      |              |                | DIFF.                      | 396-                  | 13-           |                      |               |

| SIRE OF DATA DAUGHTER |                                    |         |    |                  | AV. RECDRDS | PRODUCTION OF MILK |     | DF  | DAU. FAT | ADJ. AV. | HERD-MATES |        | AV. FAT | PREDICTED AV. |  |
|-----------------------|------------------------------------|---------|----|------------------|-------------|--------------------|-----|-----|----------|----------|------------|--------|---------|---------------|--|
| JERSEY                |                                    |         |    |                  | NUMBER      | L8                 | %   |     | L8       | NUMBER   | MILK L8    | FAT L8 | MILK L8 | FAT L8        |  |
| 579345                | PINN X SUPREME.....                |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
| 07-18-57              | 504016                             | 1539264 | 11 | NDN-AI DAUGHTERS | 16          | 7,048              | 5.6 | 395 |          |          |            |        |         |               |  |
|                       | LISTED, 08-63                      |         | 11 | WITH HERD-MATES  | 16          | 7,048              | 5.6 | 395 |          | 15       | 7,675      | 421    |         |               |  |
| STATES-               | 82                                 |         |    |                  |             |                    |     |     |          | DIFF.    | 627-       | 26-    |         |               |  |
| 579353                | RADAR ND8LE FRANK.....             |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
| 04-20-57              | 557268                             | 1439392 | 17 | NDN-AI DAUGHTERS | 23          | 6,946              | 5.7 | 399 |          |          |            |        |         |               |  |
|                       | LISTED, 11-63                      |         | 17 | WITH HERD-MATES  | 23          | 6,946              | 5.7 | 399 |          | 20       | 7,598      | 417    |         |               |  |
| STATES-               | 87                                 |         |    |                  |             |                    |     |     |          | DIFF.    | 652-       | 18-    |         |               |  |
| 579392                | ACME 8AS RADAR.....                |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
| 03-23-57              | 010121022                          | 2107856 | 12 | NON-AI DAUGHTERS | 18          | 9,950              | 5.3 | 530 |          |          |            |        |         |               |  |
|                       | LISTED, 08-63                      |         | 11 | WITH HERD-MATES  | 17          | 9,926              | 5.3 | 522 |          | 23       | 9,705      | 513    |         |               |  |
| STATES-               | 14,21,22,23,65                     |         |    |                  |             |                    |     |     |          | OIFF.    | 221        | 9      |         |               |  |
| 579418                | .....                              |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
|                       |                                    |         | 6  | NON-AI DAUGHTERS | 6           | 6,000              | 5.2 | 312 |          |          |            |        |         |               |  |
| STATES-               | 35                                 |         | 6  | WITH HERD-MATES  | 6           | 6,000              | 5.2 | 312 |          | 3        | 6,759      | 341    |         |               |  |
|                       |                                    |         |    |                  |             |                    |     |     |          | OIFF.    | 759-       | 29-    |         |               |  |
| 579483                | .....                              |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
|                       |                                    |         | 6  | NDN-AI DAUGHTERS | 7           | 6,678              | 5.3 | 354 |          |          |            |        |         |               |  |
| STATES-               | 56                                 |         | 6  | WITH HERD-MATES  | 7           | 6,678              | 5.3 | 354 |          | 34       | 8,287      | 451    |         |               |  |
|                       |                                    |         |    |                  |             |                    |     |     |          | DIFF.    | 1609-      | 97-    |         |               |  |
| 579607                | ZEPHY-S DREGDN SPROUT.....         |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
| 04-10-57              | 550285                             | 2104275 | 21 | NDN-AI DAUGHTERS | 32          | 8,445              | 5.4 | 453 |          |          |            |        |         |               |  |
|                       | LISTED, 03-64                      |         | 21 | WITH HERD-MATES  | 31          | 8,411              | 5.4 | 451 |          | 13       | 8,495      | 449    |         |               |  |
| STATES-               | 54                                 |         |    |                  |             |                    |     |     |          | OIFF.    | 84-        | 2      |         |               |  |
| 579660                | .....                              |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
|                       |                                    |         | 5  | NDN-AI DAUGHTERS | 6           | 9,267              | 5.6 | 516 |          |          |            |        |         |               |  |
| STATES-               | 82,88                              |         | 5  | WITH HERD-MATES  | 6           | 9,267              | 5.6 | 516 |          | 26       | 9,196      | 490    |         |               |  |
|                       |                                    |         |    |                  |             |                    |     |     |          | OIFF.    | 71         | 26     |         |               |  |
| 579671                | .....                              |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
|                       |                                    |         | 6  | NON-AI DAUGHTERS | 7           | 7,230              | 5.4 | 390 |          |          |            |        |         |               |  |
| STATES-               | 43                                 |         | 6  | WITH HERD-MATES  | 7           | 7,230              | 5.4 | 390 |          | 4        | 7,986      | 401    |         |               |  |
|                       |                                    |         |    |                  |             |                    |     |     |          | OIFF.    | 756-       | 11-    |         |               |  |
| 579695                | KING-S ADVANCER IT.....            |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
| 07-23-57              | 508766                             | 1972750 | 13 | NDN-AI DAUGHTERS | 17          | 7,775              | 5.3 | 414 |          |          |            |        |         |               |  |
|                       | LISTED, 11-63                      |         | 13 | WITH HERD-MATES  | 17          | 7,775              | 5.3 | 414 |          | 20       | 7,651      | 382    |         |               |  |
| STATES-               | 56                                 |         |    |                  |             |                    |     |     |          | DIFF.    | 124        | 32     |         |               |  |
| 579699                | MARLU FAVDRITE MILESTONE.....      |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
| 01-21-58              | 563805                             | 1821595 | 45 | AI DAUGHTERS-21  | 50          | 7,007              | 5.1 | 354 |          |          |            |        |         |               |  |
| AI STUD, 51-02        | LISTED, 05-64                      |         | 42 | WITH HERO-MATES  | 47          | 7,106              | 5.1 | 359 |          | 16       | 7,538      | 393    | 7,693   | 388           |  |
| STATES-               | 42,51,54,56                        |         |    |                  |             |                    |     |     |          | OIFF.    | 432-       | 34-    |         |               |  |
| 579749                | .....                              |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
|                       |                                    |         | 5  | NDN-AI DAUGHTERS | 6           | 6,226              | 5.3 | 330 |          |          |            |        |         |               |  |
| STATES-               | 64                                 |         | 5  | WITH HERD-MATES  | 6           | 6,226              | 5.3 | 330 |          | 25       | 7,472      | 382    |         |               |  |
|                       |                                    |         |    |                  |             |                    |     |     |          | OIFF.    | 1246-      | 52-    |         |               |  |
| 579821                | .....                              |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
|                       |                                    |         | 6  | NDN-AI DAUGHTERS | 7           | 9,564              | 5.4 | 514 |          |          |            |        |         |               |  |
| STATES-               | 13                                 |         | 6  | WITH HERD-MATES  | 7           | 9,564              | 5.4 | 514 |          | 12       | 8,926      | 466    |         |               |  |
|                       |                                    |         |    |                  |             |                    |     |     |          | OIFF.    | 638        | 48     |         |               |  |
| 579877                | .....                              |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
|                       |                                    |         | 5  | NDN-AI DAUGHTERS | 6           | 9,086              | 5.4 | 495 |          |          |            |        |         |               |  |
| STATES-               | 54                                 |         | 5  | WITH HERD-MATES  | 6           | 9,086              | 5.4 | 495 |          | 21       | 7,159      | 410    |         |               |  |
|                       |                                    |         |    |                  |             |                    |     |     |          | OIFF.    | 1927       | 85     |         |               |  |
| 579921                | JESTER SPARKLING CHIEF DF S.M..... |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
| 06-10-57              | 563477                             | 2082710 | 9  | NDN-AI DAUGHTERS | 12          | 6,786              | 5.2 | 352 |          |          |            |        |         |               |  |
|                       | LISTED, 08-63                      |         | 9  | WITH HERD-MATES  | 12          | 6,786              | 5.2 | 352 |          | 13       | 7,363      | 386    |         |               |  |
| STATES-               | 23                                 |         |    |                  |             |                    |     |     |          | DIFF.    | 577-       | 34-    |         |               |  |
| 579936                | DYNAMO STANOARD OANDY.....         |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
| 04-10-57              | 565219                             | 1867978 | 10 | NDN-AI DAUGHTERS | 13          | 6,517              | 5.3 | 345 |          |          |            |        |         |               |  |
|                       | LISTED, 11-63                      |         | 10 | WITH HERD-MATES  | 13          | 6,517              | 5.3 | 345 |          | 26       | 6,910      | 341    |         |               |  |
| STATES-               | 74                                 |         |    |                  |             |                    |     |     |          | OIFF.    | 393-       | 4      |         |               |  |
| 579948                | .....                              |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
|                       |                                    |         | 5  | NDN-AI DAUGHTERS | 6           | 9,368              | 5.4 | 506 |          |          |            |        |         |               |  |
| STATES-               | 16                                 |         | 4  | WITH HERD-MATES  | 5           | 10,768             | 5.3 | 570 |          | 19       | 8,977      | 467    |         |               |  |
|                       |                                    |         |    |                  |             |                    |     |     |          | DIFF.    | 1791       | 103    |         |               |  |
| 580088                | .....                              |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
|                       |                                    |         | 7  | NDN-AI DAUGHTERS | 7           | 7,319              | 5.4 | 394 |          |          |            |        |         |               |  |
| STATES-               | 63                                 |         | 7  | WITH HERD-MATES  | 7           | 7,319              | 5.4 | 394 |          | 8        | 8,459      | 428    |         |               |  |
|                       |                                    |         |    |                  |             |                    |     |     |          | OIFF.    | 1140-      | 34-    |         |               |  |
| 580090                | .....                              |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
|                       |                                    |         | 9  | NDN-AI DAUGHTERS | 9           | 7,068              | 5.4 | 384 |          |          |            |        |         |               |  |
| STATES-               | 31                                 |         | 5  | WITH HERD-MATES  | 5           | 7,308              | 5.7 | 417 |          | 12       | 8,494      | 484    |         |               |  |
|                       |                                    |         |    |                  |             |                    |     |     |          | DIFF.    | 1186-      | 67-    |         |               |  |
| 580132                | GOLDEN JERSEY-S RDYAL.....         |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
| 11-05-57              | 565141                             | 1800750 | 13 | NDN-AI DAUGHTERS | 19          | 6,682              | 5.6 | 376 |          |          |            |        |         |               |  |
|                       | LISTED, 08-63                      |         | 13 | WITH HERD-MATES  | 19          | 6,682              | 5.6 | 376 |          | 13       | 8,242      | 427    |         |               |  |
| STATES-               | 15,35                              |         |    |                  |             |                    |     |     |          | DIFF.    | 1560-      | 51-    |         |               |  |
| 580149                | HI RANGE SECRET PEPPER.....        |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
| 01-18-58              | 497574                             | 1735243 | 10 | NDN-AI DAUGHTERS | 10          | 9,912              | 5.0 | 497 |          |          |            |        |         |               |  |
|                       | LISTED, 11-63                      |         | 10 | WITH HERD-MATES  | 10          | 9,912              | 5.0 | 497 |          | 22       | 7,462      | 383    |         |               |  |
| STATES-               | 63                                 |         |    |                  |             |                    |     |     |          | DIFF.    | 2450       | 114    |         |               |  |
| 580260                | ZDRRD DF REO BANKS.....            |         |    |                  |             |                    |     |     |          |          |            |        |         |               |  |
| 07-27-57              | 554229                             | 1447230 | 10 | NDN-AI DAUGHTERS | 12          | 8,165              | 5.1 | 417 |          |          |            |        |         |               |  |
|                       | LISTED, 03-64                      |         | 10 | WITH HERD-MATES  | 12          | 8,165              | 5.1 | 417 |          | 56       | 9,215      | 471    |         |               |  |
| STATES-               | 92,93                              |         |    |                  |             |                    |     |     |          | DIFF.    | 1050-      | 54-    |         |               |  |

## SIREs OF DHIA DAUGHTERS

| JERSEY         |                                  |     |                  | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|----------------|----------------------------------|-----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 580285         | GOLDEN ETTA JESTER.....          |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 01-03-58       | 556092 1978736                   | 14  | NDN-AI DAUGHTERS | 20          | 8,258                 | 5.5    | 454         |                 |                    |            |                   |            |
|                | LISTED, 11-63                    | 14  | WITH HERD-MATES  | 20          | 8,258                 | 5.5    | 454         |                 |                    |            |                   |            |
| STATES-        | 92                               |     |                  |             |                       |        |             | 12              | 8,869              | 468        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 611-               | 14-        |                   |            |
| 580371         | MARLU REPDRT.....                |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 04-06-57       | 567370 1996404                   | 6   | NDN-AI DAUGHTERS | 10          | 8,975                 | 5.3    | 480         |                 |                    |            |                   |            |
| AI STUD, 33-03 | LISTED, 05-64                    | 5   | WITH HERD-MATES  | 9           | 9,120                 | 5.4    | 489         |                 |                    |            |                   |            |
| STATES-        | 23,31,51,55                      |     |                  |             |                       |        |             | 7               | 9,201              | 469        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 81-                | 20         |                   |            |
| 580445         | BUTTERNUT TRISTRAM TITAN.....    |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 10-06-57       | 537169 1985527                   | 15  | NDN-AI DAUGHTERS | 22          | 8,079                 | 5.2    | 424         |                 |                    |            |                   |            |
|                | LISTED, 08-63                    | 15  | WITH HERD-MATES  | 22          | 8,079                 | 5.2    | 424         |                 |                    |            |                   |            |
| STATES-        | 12,14,21                         |     |                  |             |                       |        |             | 32              | 8,875              | 457        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 796-               | 33-        |                   |            |
| 580564         | .....                            |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|                |                                  | 11  | NDN-AI DAUGHTERS | 18          | 7,610                 | 5.4    | 408         |                 |                    |            |                   |            |
| STATES-        | 31                               | 11  | WITH HERD-MATES  | 18          | 7,610                 | 5.4    | 408         |                 |                    |            |                   |            |
|                |                                  |     |                  |             |                       |        |             | 20              | 7,619              | 417        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 9-                 | 9-         |                   |            |
| 580602         | CHAMPIDN-S PLUTOCRAT.....        |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 02-23-58       | 519828 1796086                   | 10  | AI DAUGHTERS-07  | 12          | 8,610                 | 5.2    | 451         |                 |                    |            |                   |            |
| AI STUD, 91-01 | LISTED, 05-64                    | 10  | WITH HERD-MATES  | 12          | 8,610                 | 5.2    | 451         |                 |                    |            |                   |            |
| STATES-        | 91,92                            |     |                  |             |                       |        |             | 37              | 8,615              | 454        | 8,089             | 416        |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 5-                 | 3-         |                   |            |
| 580646         | MASTERMAN BEAUTY CUSTOM AIM..... |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 02-08-57       | 499358 1667986                   | 55  | AI DAUGHTERS-25* | 57          | 7,824                 | 5.5    | 427         |                 |                    |            |                   |            |
| AI STUD, 21-01 | LISTED, 05-64                    | 50  | WITH HERD-MATES  | 52          | 7,939                 | 5.5    | 433         |                 |                    |            |                   |            |
| STATES-        | 13,21,43                         |     |                  |             |                       |        |             | 28              | 8,861              | 464        | 7,392             | 395        |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 922-               | 31-        |                   |            |
|                |                                  | 2   | NDN-AI DAUGHTERS | 4           | 10,278                | 5.4    | 557         |                 |                    |            |                   |            |
|                |                                  | 2   | WITH HERD-MATES  | 4           | 10,278                | 5.4    | 557         |                 |                    |            |                   |            |
|                |                                  |     |                  |             |                       |        |             | 48              | 8,947              | 471        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 1331               | 86         |                   |            |
| 580690         | SURVILLE TULIP-S JESTER.....     |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 05-01-57       | 537087 1663855                   | 8   | NDN-AI DAUGHTERS | 9           | 7,101                 | 5.1    | 362         |                 |                    |            |                   |            |
|                | LISTED, 03-64                    | 8   | WITH HERD-MATES  | 9           | 7,101                 | 5.1    | 362         |                 |                    |            |                   |            |
| STATES-        | 43                               |     |                  |             |                       |        |             | 14              | 8,157              | 402        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 1056-              | 40-        |                   |            |
| 580714         | TRISTRAM NEVADA.....             |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 02-08-58       | 519828 1893788                   | 14  | NDN-AI DAUGHTERS | 19          | 11,339                | 5.2    | 591         |                 |                    |            |                   |            |
|                | LISTED, 03-64                    | 14  | WITH HERD-MATES  | 19          | 11,339                | 5.2    | 591         |                 |                    |            |                   |            |
| STATES-        | 88                               |     |                  |             |                       |        |             | 11              | 10,106             | 500        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 1233               | 91         |                   |            |
| 580730         | DANDY RADAR.....                 |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 06-01-57       | 557268 1611628                   | 11  | NDN-AI DAUGHTERS | 14          | 6,825                 | 5.4    | 370         |                 |                    |            |                   |            |
|                | LISTED, 11-63                    | 11  | WITH HERD-MATES  | 14          | 6,825                 | 5.4    | 370         |                 |                    |            |                   |            |
| STATES-        | 21                               |     |                  |             |                       |        |             | 11              | 7,203              | 391        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 378-               | 21-        |                   |            |
| 580732         | .....                            |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|                |                                  | 5   | NDN-AI DAUGHTERS | 6           | 6,269                 | 5.1    | 322         |                 |                    |            |                   |            |
| STATES-        | 13,16,21,23                      | 5   | WITH HERD-MATES  | 6           | 6,269                 | 5.1    | 322         |                 |                    |            |                   |            |
|                |                                  |     |                  |             |                       |        |             | 15              | 7,993              | 409        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 1724-              | 87-        |                   |            |
| 580787         | SIBLEY ADVANCER 8LDNDE 8ART..... |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 05-09-57       | 469101 1435827                   | 15  | AI DAUGHTERS-07  | 21          | 7,994                 | 4.8    | 381         |                 |                    |            |                   |            |
| AI STUD, 72-01 | LISTED, 05-64                    | 15  | WITH HERD-MATES  | 21          | 7,994                 | 4.8    | 381         |                 |                    |            |                   |            |
| STATES-        | 72                               |     |                  |             |                       |        |             | 14              | 7,731              | 386        | 8,193             | 412        |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 263                | 5-         |                   |            |
| 580829         | DEER KNDLL CLASSIC LAD.....      |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 01-15-58       | 514980 2252129                   | 11  | NDN-AI DAUGHTERS | 12          | 9,303                 | 5.7    | 527         |                 |                    |            |                   |            |
|                | LISTED, 11-63                    | 11  | WITH HERD-MATES  | 12          | 9,303                 | 5.7    | 527         |                 |                    |            |                   |            |
| STATES-        | 12                               |     |                  |             |                       |        |             | 13              | 9,310              | 507        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 7-                 | 20         |                   |            |
| 580834         | BRIGHAM SPARKLE SUPER8 DLIN..... |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 03-05-58       | 566264 2016397                   | 9   | NDN-AI DAUGHTERS | 10          | 11,340                | 4.9    | 553         |                 |                    |            |                   |            |
|                | LISTED, 03-64                    | 9   | WITH HERD-MATES  | 10          | 11,340                | 4.9    | 553         |                 |                    |            |                   |            |
| STATES-        | 12                               |     |                  |             |                       |        |             | 18              | 10,492             | 550        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 848                | 3          |                   |            |
| 580836         | BRIGHAM CNFIDENT DRMAND.....     |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 03-22-58       | 470945 1502800                   | 122 | AI DAUGHTERS-25* | 139         | 9,214                 | 5.4    | 494         |                 |                    |            |                   |            |
| AI STUD, 23-05 | LISTED, 05-64                    | 120 | WITH HERD-MATES  | 137         | 9,231                 | 5.4    | 494         |                 |                    |            |                   |            |
| STATES-        | 21,23                            |     |                  |             |                       |        |             | 15              | 8,545              | 445        | 8,727             | 463        |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 686                | 49         |                   |            |
|                |                                  | 1   | NDN-AI DAUGHTERS | 2           | 10,330                | 4.7    | 488         |                 |                    |            |                   |            |
|                |                                  | 1   | WITH HERD-MATES  | 2           | 10,330                | 4.7    | 488         |                 |                    |            |                   |            |
|                |                                  |     |                  |             |                       |        |             | 6               | 8,824              | 429        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 1506               | 59         |                   |            |
| 580876         | CENTURY ELM ACME.....            |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 02-11-57       | 565429 1959362                   | 11  | NDN-AI DAUGHTERS | 23          | 9,948                 | 5.1    | 511         |                 |                    |            |                   |            |
|                | LISTED, 01-63                    | 11  | WITH HERD-MATES  | 22          | 10,067                | 5.1    | 516         |                 |                    |            |                   |            |
| STATES-        | 11                               |     |                  |             |                       |        |             | 28              | 9,217              | 491        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 850                | 25         |                   |            |
| 580889         | ROCKY MEADOW FASHION PRINCE..... |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 03-23-58       | 571911 2003798                   | 6   | NDN-AI DAUGHTERS | 8           | 9,504                 | 5.3    | 507         |                 |                    |            |                   |            |
|                | LISTED, 08-63                    | 6   | WITH HERD-MATES  | 8           | 9,504                 | 5.3    | 507         |                 |                    |            |                   |            |
| STATES-        | 88                               |     |                  |             |                       |        |             | 51              | 10,065             | 516        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 561-               | 9-         |                   |            |
| 580997         | T.B. CHALLENGER-S OLYMPIAN.....  |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 02-02-58       | 472114 1950307                   | 11  | NDN-AI DAUGHTERS | 18          | 8,210                 | 5.3    | 432         |                 |                    |            |                   |            |
|                | LISTED, 08-63                    | 11  | WITH HERD-MATES  | 18          | 8,210                 | 5.3    | 432         |                 |                    |            |                   |            |
| STATES-        | 13,14,21,55                      |     |                  |             |                       |        |             | 22              | 9,432              | 493        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 1222-              | 61-        |                   |            |
| 581063         | .....                            |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|                |                                  | 7   | NDN-AI DAUGHTERS | 7           | 6,903                 | 5.1    | 353         |                 |                    |            |                   |            |
| STATES-        | 48                               | 7   | WITH HERD-MATES  | 7           | 6,903                 | 5.1    | 353         |                 |                    |            |                   |            |
|                |                                  |     |                  |             |                       |        |             | 9               | 7,973              | 392        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 1070-              | 39-        |                   |            |
| 581144         | 8ELMDNT NDBLE.....               |     |                  |             |                       |        |             |                 |                    |            |                   |            |
| 09-20-57       | 509160 1728210                   | 11  | NDN-AI DAUGHTERS | 13          | 10,734                | 5.2    | 553         |                 |                    |            |                   |            |
|                | LISTED, 03-64                    | 11  | WITH HERD-MATES  | 13          | 10,734                | 5.2    | 553         |                 |                    |            |                   |            |
| STATES-        | 33                               |     |                  |             |                       |        |             | 13              | 9,778              | 504        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 956                | 49         |                   |            |
| 581174         | .....                            |     |                  |             |                       |        |             |                 |                    |            |                   |            |
|                |                                  | 6   | NDN-AI DAUGHTERS | 7           | 8,777                 | 5.6    | 488         |                 |                    |            |                   |            |
| STATES-        | 82,88,92                         | 6   | WITH HERD-MATES  | 7           | 8,777                 | 5.6    | 488         |                 |                    |            |                   |            |
|                |                                  |     |                  |             |                       |        |             | 20              | 9,304              | 493        |                   |            |
|                |                                  |     |                  |             |                       |        |             | DIFF.           | 527-               | 5-         |                   |            |



## SIREs OF DHIA DAUGHTERS

| STRES OF DATA DAUGHTER                      |                                      |           |     | AV. RECORDS      | PRODUCTION OF    |        |        | DAU. FAT | ADJ. AV. | HERD-MATES MILK | AV. FAT | PREDICTED AV. |        |
|---|--------------------------------------|-----------|-----|------------------|------------------|--------|--------|----------|----------|-----------------|---------|---------------|--------|
| JERSEY                                      |                                      |           |     | NUMBER           | L8               | TEST % | L8     | NUMBER   | L8       | L8              | L8      | MILK L8       | FAT L8 |
| 581208                                      | .....                                |           |     | 9                | NDN-AI DAUGHTERS | 13     | 8,002  | 4.7      | 375      |                 |         |               |        |
| STATES- 72                                  | 9 WITH HERD-MATES                    |           |     | 13               | 8,002            | 4.7    | 375    | 17       | 7,660    | 384             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 342      | 9-              |         |               |        |
| 581265                                      | CMDMNDERS IVY SIR.....               |           |     |                  |                  |        |        |          |          |                 |         |               |        |
| 02-06-58                                    | 563477                               | 1420766   | 16  | NDN-AI DAUGHTERS | 17               | 8,849  | 5.4    | 475      |          |                 |         |               |        |
| STATES- 52                                  | LISTED, 03-64 16 WITH HERD-MATES     |           |     | 17               | 8,849            | 5.4    | 475    | 31       | 8,265    | 425             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 584      | 50              |         |               |        |
| 581356                                      | SPARKLE BEACDN COUNT.....            |           |     |                  |                  |        |        |          |          |                 |         |               |        |
| 10-15-57                                    | 506147                               | 1815179   | 10  | NDN-AI DAUGHTERS | 15               | 10,424 | 4.9    | 515      |          |                 |         |               |        |
| STATES- 31,46,55,56                         | LISTED, 08-63 10 WITH HERD-MATES     |           |     | 15               | 10,424           | 4.9    | 515    | 9        | 10,541   | 524             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 117-     | 9-              |         |               |        |
| 581407                                      | BLUE SPRING-S STANDARD ROMANCER..... |           |     |                  |                  |        |        |          |          |                 |         |               |        |
| 11-21-57                                    | 559570                               | 1538747   | 10  | NDN-AI DAUGHTERS | 12               | 7,403  | 4.6    | 343      |          |                 |         |               |        |
| STATES- 65                                  | LISTED, 03-64 10 WITH HERD-MATES     |           |     | 12               | 7,403            | 4.6    | 343    | 30       | 7,035    | 327             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 368      | 16              |         |               |        |
| 581463                                      | DREAMING NOBLE.....                  |           |     |                  |                  |        |        |          |          |                 |         |               |        |
| 09-10-54                                    | 525015                               | 1477554   | 16  | NDN-AI DAUGHTERS | 17               | 7,448  | 5.2    | 388      |          |                 |         |               |        |
| STATES- 33                                  | LISTED, 03-64 16 WITH HERD-MATES     |           |     | 17               | 7,448            | 5.2    | 388    | 18       | 7,762    | 389             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 314-     | 1-              |         |               |        |
| 581478                                      | .....                                |           |     | 5                | NDN-AI DAUGHTERS | 5      | 6,710  | 4.9      | 327      |                 |         |               |        |
| STATES- 32                                  | 4 WITH HERD-MATES                    |           |     | 4                | 6,365            | 4.9    | 311    | 9        | 7,876    | 389             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 1511-    | 78-             |         |               |        |
| 581485                                      | IMP. ITASKA-S FILLPAIL RULER.....    |           |     |                  |                  |        |        |          |          |                 |         |               |        |
| 02-17-55                                    | 010008621                            | 010057693 | 25  | NDN-AI DAUGHTERS | 35               | 8,377  | 5.1    | 429      |          |                 |         |               |        |
| AI STUD, 16-04                              | LISTED, 05-64                        |           | 25  | WITH HERD-MATES  | 35               | 8,377  | 5.1    | 429      | 33       | 8,800           | 463     |               |        |
| STATES- 15,16,21,22,23,31,41,51,55,74       |                                      |           |     |                  |                  |        |        | DIFF.    | 423-     | 34-             |         |               |        |
| 581594                                      | .....                                |           |     | 5                | NDN-AI DAUGHTERS | 5      | 9,022  | 5.2      | 471      |                 |         |               |        |
| STATES- 32,33                               | 5 WITH HERD-MATES                    |           |     | 5                | 9,022            | 5.2    | 471    | 16       | 8,541    | 451             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 481      | 20              |         |               |        |
| 581607                                      | ZEPHYR-S SDN OF CHAMPIDN-S.....      |           |     |                  |                  |        |        |          |          |                 |         |               |        |
| 06-11-58                                    | 550285                               | 1907878   | 9   | AI DAUGHTERS-07  | 9                | 8,873  | 5.0    | 445      |          |                 |         |               |        |
| AI STUD, 92-01                              | LISTED, 05-64                        |           | 8   | WITH HERD-MATES  | 8                | 9,235  | 5.1    | 468      | 30       | 9,547           | 490     | 8,000 410     |        |
| STATES- 92                                  |                                      |           |     |                  |                  |        |        | DIFF.    | 312-     | 22-             |         |               |        |
| 581621                                      | .....                                |           |     | 6                | NDN-AI DAUGHTERS | 9      | 9,998  | 5.5      | 550      |                 |         |               |        |
| STATES- 88                                  | 6 WITH HERD-MATES                    |           |     | 9                | 9,998            | 5.5    | 550    | 26       | 9,921    | 527             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 77       | 23              |         |               |        |
| 581775                                      | SABLE-S VOLUNTEER COMMANDD.....      |           |     |                  |                  |        |        |          |          |                 |         |               |        |
| 08-04-57                                    | 556053                               | 1638580   | 202 | AI DAUGHTERS-25* | 238              | 8,428  | 5.2    | 435      |          |                 |         |               |        |
| AI STUD, 31-02                              | LISTED, 05-64                        |           | 200 | WITH HERD-MATES  | 234              | 8,456  | 5.2    | 487      | 16       | 8,737           | 446     | 7,865 410     |        |
| STATES- 31,32,35,42,43,52,55,56,58,63,73,74 |                                      |           |     |                  |                  |        |        | DIFF.    | 281-     | 9-              |         |               |        |
| 581840                                      | CHAMPIONS TRISTRAM CHALLENGER.....   |           |     |                  |                  |        |        |          |          |                 |         |               |        |
| 05-05-58                                    | 519828                               | 1657241   | 33  | NDN-AI DAUGHTERS | 42               | 8,357  | 5.4    | 449      |          |                 |         |               |        |
| AI STUD, 93-10                              | LISTED, 05-64                        |           | 33  | WITH HERD-MATES  | 42               | 8,357  | 5.4    | 449      | 46       | 7,880           | 432     |               |        |
| STATES- 52                                  |                                      |           |     |                  |                  |        |        | DIFF.    | 477      | 17              |         |               |        |
| 581938                                      | MISTER JESTER BAS.....               |           |     |                  |                  |        |        |          |          |                 |         |               |        |
| 08-12-57                                    | 549122                               | 2062770   | 15  | NON-AI DAUGHTERS | 20               | 7,203  | 5.2    | 376      |          |                 |         |               |        |
| STATES- 32                                  | LISTED, 11-63 15 WITH HERD-MATES     |           |     | 19               | 7,234            | 5.2    | 377    | 13       | 10,213   | 514             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 2979-    | 137-            |         |               |        |
| 581939                                      | .....                                |           |     | 5                | NDN-AI DAUGHTERS | 7      | 9,429  | 5.1      | 483      |                 |         |               |        |
| STATES- 35                                  | 5 WITH HERD-MATES                    |           |     | 7                | 9,429            | 5.1    | 483    | 16       | 8,537    | 467             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 892      | 16              |         |               |        |
| 581943                                      | DRACDNIS ADVANCE KING.....           |           |     |                  |                  |        |        |          |          |                 |         |               |        |
| 10-05-57                                    | 559758                               | 1972716   | 18  | NDN-AI DAUGHTERS | 25               | 8,974  | 4.9    | 438      |          |                 |         |               |        |
| STATES- 91                                  | LISTED, 11-63 18 WITH HERD-MATES     |           |     | 25               | 8,974            | 4.9    | 438    | 21       | 8,961    | 471             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 13       | 33-             |         |               |        |
| 581950                                      | MAJESTY CROWNING SIGNAL SIR.....     |           |     |                  |                  |        |        |          |          |                 |         |               |        |
| 01-02-58                                    | 522990                               | 1784934   | 14  | NDN-AI DAUGHTERS | 16               | 7,765  | 5.6    | 436      |          |                 |         |               |        |
| STATES- 82                                  | LISTED, 11-63 14 WITH HERD-MATES     |           |     | 16               | 7,765            | 5.6    | 436    | 18       | 7,619    | 428             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 146      | 8               |         |               |        |
| 582027                                      | .....                                |           |     | 5                | NDN-AI DAUGHTERS | 5      | 11,208 | 5.0      | 558      |                 |         |               |        |
| STATES- 91                                  | 5 WITH HERD-MATES                    |           |     | 5                | 11,208           | 5.0    | 558    | 27       | 9,509    | 505             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 1699     | 53              |         |               |        |
| 582060                                      | HERDIC VICTOR.....                   |           |     |                  |                  |        |        |          |          |                 |         |               |        |
| 07-26-56                                    | 553843                               | 1599518   | 9   | NDN-AI DAUGHTERS | 19               | 6,079  | 5.5    | 336      |          |                 |         |               |        |
| STATES- 13,14                               | LISTED, 01-63 9 WITH HERD-MATES      |           |     | 19               | 6,079            | 5.5    | 336    | 20       | 7,306    | 382             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 1227-    | 46-             |         |               |        |
| 582080                                      | KAY-S TRISTRAM BASIL.....            |           |     |                  |                  |        |        |          |          |                 |         |               |        |
| 10-07-57                                    | 562033                               | 2154034   | 13  | NDN-AI DAUGHTERS | 14               | 8,607  | 5.3    | 459      |          |                 |         |               |        |
| STATES- 41                                  | LISTED, 03-64 11 WITH HERD-MATES     |           |     | 12               | 8,647            | 5.3    | 456    | 6        | 8,859    | 440             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 212-     | 16              |         |               |        |
| 582129                                      | .....                                |           |     | 5                | NON-AI DAUGHTERS | 5      | 6,572  | 5.2      | 339      |                 |         |               |        |
| STATES- 22                                  | 5 WITH HERD-MATES                    |           |     | 5                | 6,572            | 5.2    | 339    | 15       | 9,126    | 457             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 2554-    | 118-            |         |               |        |
| 582190                                      | ETTA JESTER STAR.....                |           |     |                  |                  |        |        |          |          |                 |         |               |        |
| 03-22-58                                    | 565141                               | 1766360   | 16  | NDN-AI DAUGHTERS | 21               | 8,349  | 5.4    | 448      |          |                 |         |               |        |
| STATES- 31,35                               | LISTED, 11-63 16 WITH HERD-MATES     |           |     | 21               | 8,349            | 5.4    | 448    | 12       | 7,554    | 407             |         |               |        |
|   |                                      |           |     |                  |                  |        |        | DIFF.    | 795      | 41              |         |               |        |

| SIRE OF OHIA DAUGHTERS |                                       |    |                  | AV. PRODUCTION OF |       |      |     | AOJ. HERO-MATES |       |     | PREDICTED AV. |     |
|------------------------|---------------------------------------|----|------------------|-------------------|-------|------|-----|-----------------|-------|-----|---------------|-----|
| JERSEY                 |                                       |    |                  | RECORDS           | MILK  | TEST | FAT | AV.             | MILK  | FAT | MILK          | FAT |
|                        |                                       |    |                  | NUMBER            | L8    | %    | L8  | NUMBER          | L8    | L8  | L8            | L8  |
| 582287                 | MASTERMAN LUKE.....                   |    |                  |                   |       |      |     |                 |       |     |               |     |
| 02-24-56               | 466643 1931574                        | 13 | NON-AI DAUGHTERS | 17                | 6,603 | 5.0  | 330 |                 |       |     |               |     |
|                        | LISTED, 08-63                         | 13 | WITH HERD-MATES  | 17                | 6,603 | 5.0  | 330 | 12              | 6,743 | 328 |               |     |
| STATES- 74             |                                       |    |                  |                   |       |      |     | DIFF.           | 140-  | 2   |               |     |
| 582304                 | .....                                 |    |                  |                   |       |      |     |                 |       |     |               |     |
|                        |                                       | 5  | NON-AI DAUGHTERS | 7                 | 8,265 | 5.1  | 420 |                 |       |     |               |     |
| STATES- 72             |                                       | 5  | WITH HERD-MATES  | 7                 | 8,265 | 5.1  | 420 | 13              | 7,220 | 346 |               |     |
|                        |                                       |    |                  |                   |       |      |     | DIFF.           | 1045  | 74  |               |     |
| 582334                 | .....                                 |    |                  |                   |       |      |     |                 |       |     |               |     |
|                        |                                       | 5  | NON-AI DAUGHTERS | 5                 | 6,688 | 4.9  | 328 |                 |       |     |               |     |
| STATES- 31             |                                       | 5  | WITH HERD-MATES  | 5                 | 6,688 | 4.9  | 328 | 17              | 8,107 | 414 |               |     |
|                        |                                       |    |                  |                   |       |      |     | DIFF.           | 1419- | 86- |               |     |
| 582357                 | 8RAMPTON SEER RADAR.....              |    |                  |                   |       |      |     |                 |       |     |               |     |
| 01-04-58               | 475948 010290046                      | 8  | NON-AI DAUGHTERS | 12                | 6,173 | 5.1  | 316 |                 |       |     |               |     |
|                        | LISTED, 11-63                         | 8  | WITH HERD-MATES  | 12                | 6,173 | 5.1  | 316 | 23              | 6,813 | 332 |               |     |
| STATES- 57,64          |                                       |    |                  |                   |       |      |     | DIFF.           | 640-  | 16- |               |     |
| 582368                 | SUNNY CREEK-S BASIL CHAMPION.....     |    |                  |                   |       |      |     |                 |       |     |               |     |
| 10-04-57               | 561495 2139267                        | 10 | NON-AI DAUGHTERS | 13                | 9,282 | 5.3  | 488 |                 |       |     |               |     |
|                        | LISTED, 03-64                         | 10 | WITH HERD-MATES  | 13                | 9,282 | 5.3  | 488 | 8               | 8,588 | 449 |               |     |
| STATES- 41             |                                       |    |                  |                   |       |      |     | DIFF.           | 694   | 39  |               |     |
| 582400                 | 8ET-S DREAMER OF TROELL.....          |    |                  |                   |       |      |     |                 |       |     |               |     |
| 07-05-57               | 535058 1571904                        | 28 | AI DAUGHTERS-21  | 35                | 9,763 | 4.9  | 479 |                 |       |     |               |     |
| AI STUD, 92-01         | LISTED, 05-64                         | 27 | WITH HERD-MATES  | 34                | 9,767 | 4.9  | 482 | 24              | 9,467 | 492 | 8,370         | 415 |
| STATES- 92             |                                       |    |                  |                   |       |      |     | DIFF.           | 300   | 10- |               |     |
| 582474                 | 8RAMPTON RUTHLESS JURAT.....          |    |                  |                   |       |      |     |                 |       |     |               |     |
| 06-14-57               | 560985 010255660                      | 12 | NON-AI DAUGHTERS | 14                | 6,932 | 4.7  | 329 |                 |       |     |               |     |
|                        | LISTED, 11-63                         | 12 | WITH HERD-MATES  | 14                | 6,932 | 4.7  | 329 | 56              | 7,465 | 347 |               |     |
| STATES- 64             |                                       |    |                  |                   |       |      |     | DIFF.           | 533-  | 18- |               |     |
| 582483                 | SON OF 8EATRICE 8Y PETE OF P.8.F..... |    |                  |                   |       |      |     |                 |       |     |               |     |
| 01-31-57               | 562400 1765617                        | 10 | NON-AI DAUGHTERS | 11                | 6,898 | 5.5  | 381 |                 |       |     |               |     |
|                        | LISTED, 03-64                         | 10 | WITH HERD-MATES  | 11                | 6,898 | 5.5  | 381 | 16              | 6,752 | 363 |               |     |
| STATES- 41             |                                       |    |                  |                   |       |      |     | DIFF.           | 146   | 18  |               |     |
| 582510                 | MARLU STYLISH MILKMAN.....            |    |                  |                   |       |      |     |                 |       |     |               |     |
| 05-15-58               | 550331 2155972                        | 80 | AI DAUGHTERS-25* | 88                | 8,083 | 5.3  | 429 |                 |       |     |               |     |
| AI STUD, 11-01         | LISTED, 05-64                         | 77 | WITH HERD-MATES  | 84                | 8,060 | 5.3  | 428 | 16              | 8,874 | 462 | 7,436         | 391 |
| STATES- 11             |                                       |    |                  |                   |       |      |     | DIFF.           | 814-  | 34- |               |     |
| 582555                 | .....                                 |    |                  |                   |       |      |     |                 |       |     |               |     |
|                        |                                       | 6  | NON-AI DAUGHTERS | 6                 | 7,725 | 5.3  | 413 |                 |       |     |               |     |
| STATES- 55,57          |                                       | 6  | WITH HERD-MATES  | 6                 | 7,725 | 5.3  | 413 | 86              | 7,962 | 405 |               |     |
|                        |                                       |    |                  |                   |       |      |     | DIFF.           | 237-  | 8   |               |     |
| 582631                 | .....                                 |    |                  |                   |       |      |     |                 |       |     |               |     |
|                        |                                       | 8  | NON-AI DAUGHTERS | 10                | 7,259 | 5.4  | 392 |                 |       |     |               |     |
| STATES- 92             |                                       | 8  | WITH HERD-MATES  | 10                | 7,259 | 5.4  | 392 | 43              | 7,869 | 413 |               |     |
|                        |                                       |    |                  |                   |       |      |     | DIFF.           | 610-  | 21- |               |     |
| 582692                 | CARALAS PRINCE VALIANT.....           |    |                  |                   |       |      |     |                 |       |     |               |     |
| 11-04-55               | 540908 1811935                        | 8  | NON-AI DAUGHTERS | 18                | 9,668 | 6.0  | 576 |                 |       |     |               |     |
|                        | LISTED, 08-62                         | 8  | WITH HERD-MATES  | 18                | 9,668 | 6.0  | 576 | 13              | 9,094 | 524 |               |     |
| STATES- 92             |                                       |    |                  |                   |       |      |     | DIFF.           | 574   | 52  |               |     |
| 582722                 | .....                                 |    |                  |                   |       |      |     |                 |       |     |               |     |
|                        |                                       | 5  | NON-AI DAUGHTERS | 7                 | 8,930 | 4.7  | 421 |                 |       |     |               |     |
| STATES- 74             |                                       | 5  | WITH HERD-MATES  | 7                 | 8,930 | 4.7  | 421 | 22              | 7,884 | 375 |               |     |
|                        |                                       |    |                  |                   |       |      |     | DIFF.           | 1046  | 46  |               |     |
| 582794                 | MISTER SYBIL JESTER.....              |    |                  |                   |       |      |     |                 |       |     |               |     |
| 03-12-57               | 549122 1936915                        | 19 | NON-AI DAUGHTERS | 24                | 8,034 | 5.4  | 437 |                 |       |     |               |     |
|                        | LISTED, 03-64                         | 19 | WITH HERD-MATES  | 24                | 8,034 | 5.4  | 437 | 16              | 8,135 | 423 |               |     |
| STATES- 32             |                                       |    |                  |                   |       |      |     | DIFF.           | 101-  | 14  |               |     |
| 582808                 | .....                                 |    |                  |                   |       |      |     |                 |       |     |               |     |
|                        |                                       | 6  | NON-AI DAUGHTERS | 7                 | 6,921 | 5.4  | 372 |                 |       |     |               |     |
| STATES- 21,31          |                                       | 6  | WITH HERD-MATES  | 6                 | 6,730 | 5.4  | 366 | 14              | 8,558 | 440 |               |     |
|                        |                                       |    |                  |                   |       |      |     | DIFF.           | 1828- | 74- |               |     |
| 582879                 | BELLAVISTA GEM.....                   |    |                  |                   |       |      |     |                 |       |     |               |     |
| 12-06-51               | 464937 1592208                        | 16 | NON-AI DAUGHTERS | 24                | 8,728 | 5.5  | 481 |                 |       |     |               |     |
|                        | LISTED, 08-63                         | 16 | WITH HERD-MATES  | 24                | 8,728 | 5.5  | 481 | 17              | 9,346 | 490 |               |     |
| STATES- 92             |                                       |    |                  |                   |       |      |     | DIFF.           | 618-  | 9-  |               |     |
| 582888                 | .....                                 |    |                  |                   |       |      |     |                 |       |     |               |     |
|                        |                                       | 5  | NON-AI DAUGHTERS | 7                 | 9,809 | 4.8  | 466 |                 |       |     |               |     |
| STATES- 23             |                                       | 5  | WITH HERD-MATES  | 7                 | 9,809 | 4.8  | 466 | 10              | 8,819 | 424 |               |     |
|                        |                                       |    |                  |                   |       |      |     | DIFF.           | 990   | 42  |               |     |
| 582918                 | THOUGHTFUL JESTER CLINTON.....        |    |                  |                   |       |      |     |                 |       |     |               |     |
| 10-19-57               | 553232 1832452                        | 14 | NON-AI DAUGHTERS | 20                | 9,185 | 5.3  | 489 |                 |       |     |               |     |
|                        | LISTED, 08-63                         | 12 | WITH HERD-MATES  | 18                | 9,080 | 5.4  | 487 | 6               | 8,878 | 437 |               |     |
| STATES- 34             |                                       |    |                  |                   |       |      |     | DIFF.           | 202   | 50  |               |     |
| 582988                 | 8BLUE RIOGE 8ELMONT BASIL.....        |    |                  |                   |       |      |     |                 |       |     |               |     |
| 08-14-58               | 501160 1963046                        | 8  | NON-AI DAUGHTERS | 8                 | 7,070 | 5.3  | 374 |                 |       |     |               |     |
|                        | LISTED, 05-64                         | 8  | WITH HERD-MATES  | 8                 | 7,070 | 5.3  | 374 | 7               | 9,121 | 473 |               |     |
| STATES- 92             |                                       |    |                  |                   |       |      |     | DIFF.           | 2051- | 99- |               |     |
| 583007                 | 8RAMPTON ACME DESIGNER.....           |    |                  |                   |       |      |     |                 |       |     |               |     |
| 07-01-58               | 010121022 2242366                     | 19 | AI DAUGHTERS-17  | 21                | 7,628 | 5.1  | 388 |                 |       |     |               |     |
| AI STUD, 16-04         | LISTED, 05-64                         | 18 | WITH HERD-MATES  | 20                | 7,599 | 5.1  | 389 | 13              | 8,761 | 459 | 7,410         | 376 |
| STATES- 13,14,16       |                                       |    |                  |                   |       |      |     | DIFF.           | 1162- | 70- |               |     |
| 583021                 | SPARKLING REMUS RANDO.....            |    |                  |                   |       |      |     |                 |       |     |               |     |
| 09-30-56               | 502220 1723677                        | 22 | NON-AI DAUGHTERS | 22                | 7,783 | 5.0  | 388 |                 |       |     |               |     |
|                        | LISTED, 03-64                         | 22 | WITH HERD-MATES  | 22                | 7,783 | 5.0  | 388 | 20              | 7,576 | 377 |               |     |
| STATES- 82             |                                       |    |                  |                   |       |      |     | DIFF.           | 207   | 11  |               |     |

### SIRES OF OHIA DAUGHTERS

[illegible]



## SIRE OF DHIA DAUGHTERS

| JERSEY                          |                                    |           |    |                  | AV. RECDRDS | PRDUCTION MILK | DF TEST | DAU. FAT | ADJ. AV. | HERD-MATES MILK | AV. FAT | PREDICTED AV. |     |
|---------------------------------|------------------------------------|-----------|----|------------------|-------------|----------------|---------|----------|----------|-----------------|---------|---------------|-----|
|                                 |                                    |           |    |                  | NUMBER      | L8             | %       | L8       | NUMBER   | L8              | L8      | MILK          | FAT |
| 583821                          | SNOWFLAKE PRINCE LAD.....          |           |    |                  |             |                |         |          |          |                 |         |               |     |
| 01-24-58                        | 571911                             | 1765002   | 10 | NDN-AI DAUGHTERS | 14          | 9,080          | 4.7     | 431      |          |                 |         |               |     |
|                                 | LISTED, 08-63                      |           | 10 | WITH HERD-MATES  | 14          | 9,080          | 4.7     | 431      | 14       | 8,998           | 454     |               |     |
| STATES- 54                      |                                    |           |    |                  |             |                |         |          | DIFF.    | 82              | 23-     |               |     |
| 583831                          | .....                              |           |    |                  |             |                |         |          |          |                 |         |               |     |
|                                 |                                    |           | 8  | NDN-AI DAUGHTERS | 8           | 7,979          | 5.3     | 422      |          |                 |         |               |     |
| STATES- 42                      |                                    |           | 8  | WITH HERD-MATES  | 8           | 7,979          | 5.3     | 422      | 49       | 6,516           | 342     |               |     |
|                                 |                                    |           |    |                  |             |                |         |          | DIFF.    | 1463            | 80      |               |     |
| 583847                          | LYNMDRE-S SPARKLING PRINCE.....    |           |    |                  |             |                |         |          |          |                 |         |               |     |
| 12-13-58                        | 571911                             | 2070348   | 13 | NDN-AI DAUGHTERS | 13          | 9,493          | 5.5     | 521      |          |                 |         |               |     |
|                                 | LISTED, 11-63                      |           | 12 | WITH HERD-MATES  | 12          | 9,513          | 5.5     | 523      | 11       | 9,238           | 505     |               |     |
| STATES- 23                      |                                    |           |    |                  |             |                |         |          | DIFF.    | 275             | 18      |               |     |
| 583851                          | .....                              |           |    |                  |             |                |         |          |          |                 |         |               |     |
|                                 |                                    |           | 10 | NDN-AI DAUGHTERS | 10          | 4,586          | 4.8     | 218      |          |                 |         |               |     |
| STATES- 65                      |                                    |           | 10 | WITH HERD-MATES  | 10          | 4,586          | 4.8     | 218      | 14       | 5,717           | 259     |               |     |
|                                 |                                    |           |    |                  |             |                |         |          | DIFF.    | 1131-           | 41-     |               |     |
| 583874                          | .....                              |           |    |                  |             |                |         |          |          |                 |         |               |     |
|                                 |                                    |           | 6  | NDN-AI DAUGHTERS | 6           | 13,560         | 4.5     | 611      |          |                 |         |               |     |
| STATES- 23                      |                                    |           | 6  | WITH HERD-MATES  | 6           | 13,560         | 4.5     | 611      | 16       | 9,672           | 480     |               |     |
|                                 |                                    |           |    |                  |             |                |         |          | DIFF.    | 3888            | 131     |               |     |
| 583882                          | WONDERFUL PRIMRDE CDMBINATION..... |           |    |                  |             |                |         |          |          |                 |         |               |     |
| 09-24-58                        | 573454                             | 1757025   | 11 | NDN-AI DAUGHTERS | 12          | 8,968          | 5.3     | 476      |          |                 |         |               |     |
|                                 | LISTED, D5-64                      |           | 11 | WITH HERD-MATES  | 12          | 8,968          | 5.3     | 476      | 20       | 8,783           | 469     |               |     |
| STATES- 31                      |                                    |           |    |                  |             |                |         |          | DIFF.    | 185             | 7       |               |     |
| 583901                          | .....                              |           |    |                  |             |                |         |          |          |                 |         |               |     |
|                                 |                                    |           | 5  | NDN-AI DAUGHTERS | 6           | 5,516          | 4.8     | 264      |          |                 |         |               |     |
| STATES- 21,23                   |                                    |           | 5  | WITH HERD-MATES  | 6           | 5,516          | 4.8     | 264      | 4        | 5,988           | 322     |               |     |
|                                 |                                    |           |    |                  |             |                |         |          | DIFF.    | 472-            | 58-     |               |     |
| 583912                          | .....                              |           |    |                  |             |                |         |          |          |                 |         |               |     |
|                                 |                                    |           | 7  | NDN-AI DAUGHTERS | 7           | 8,519          | 5.8     | 494      |          |                 |         |               |     |
| STATES- 46                      |                                    |           | 7  | WITH HERD-MATES  | 7           | 8,519          | 5.8     | 494      | 10       | 8,475           | 501     |               |     |
|                                 |                                    |           |    |                  |             |                |         |          | DIFF.    | 44              | 7-      |               |     |
| 583956                          | SLEEPING DULCET SIR.....           |           |    |                  |             |                |         |          |          |                 |         |               |     |
| 01-22-58                        | 569296                             | 2020096   | 10 | NDN-AI DAUGHTERS | 10          | 9,100          | 5.2     | 469      |          |                 |         |               |     |
|                                 | LISTED, D5-64                      |           | 10 | WITH HERD-MATES  | 10          | 9,100          | 5.2     | 469      | 14       | 9,728           | 485     |               |     |
| STATES- 31,61                   |                                    |           |    |                  |             |                |         |          | DIFF.    | 628-            | 16-     |               |     |
| 584051                          | LILLA-S ADVANCER STAR FLIGHT.....  |           |    |                  |             |                |         |          |          |                 |         |               |     |
| 09-30-57                        | 544480                             | 2100497   | 8  | NDN-AI DAUGHTERS | 10          | 7,720          | 5.0     | 386      |          |                 |         |               |     |
|                                 | LISTED, 08-63                      |           | 8  | WITH HERD-MATES  | 10          | 7,720          | 5.0     | 386      | 16       | 9,452           | 477     |               |     |
| STATES- 31                      |                                    |           |    |                  |             |                |         |          | DIFF.    | 1732-           | 91-     |               |     |
| 584110                          | OAK MEADW ELBERT.....              |           |    |                  |             |                |         |          |          |                 |         |               |     |
| 01-07-58                        | 572468                             | 2094184   | 16 | NDN-AI DAUGHTERS | 21          | 9,515          | 5.7     | 543      |          |                 |         |               |     |
|                                 | LISTED, D3-64                      |           | 16 | WITH HERD-MATES  | 21          | 9,515          | 5.7     | 543      | 43       | 9,293           | 523     |               |     |
| STATES- 92                      |                                    |           |    |                  |             |                |         |          | DIFF.    | 222             | 20      |               |     |
| 584184                          | .....                              |           |    |                  |             |                |         |          |          |                 |         |               |     |
|                                 |                                    |           | 6  | NDN-AI DAUGHTERS | 7           | 7,190          | 5.2     | 374      |          |                 |         |               |     |
| STATES- 63                      |                                    |           | 6  | WITH HERD-MATES  | 7           | 7,190          | 5.2     | 374      | 42       | 7,902           | 417     |               |     |
|                                 |                                    |           |    |                  |             |                |         |          | DIFF.    | 712-            | 43-     |               |     |
| 584194                          | .....                              |           |    |                  |             |                |         |          |          |                 |         |               |     |
|                                 |                                    |           | 5  | NDN-AI DAUGHTERS | 6           | 8,211          | 5.4     | 443      |          |                 |         |               |     |
| STATES- 84                      |                                    |           | 5  | WITH HERD-MATES  | 6           | 8,211          | 5.4     | 443      | 3        | 7,908           | 427     |               |     |
|                                 |                                    |           |    |                  |             |                |         |          | DIFF.    | 303             | 16      |               |     |
| 584234                          | BRAMPTDN GARRE ACME.....           |           |    |                  |             |                |         |          |          |                 |         |               |     |
| 03-14-58                        | D10121D22                          | D1D2D3457 | 17 | AI DAUGHTERS-09  | 17          | 8,185          | 5.2     | 422      |          |                 |         |               |     |
| AI STUD, 23-04                  | LISTED, 11-63                      |           | 17 | WITH HERD-MATES  | 17          | 8,185          | 5.2     | 422      | 21       | 8,397           | 447     |               |     |
| STATES- 23                      |                                    |           |    |                  |             |                |         |          | DIFF.    | 212-            | 25-     |               |     |
|                                 |                                    |           | 1  | NDN-AI DAUGHTERS | 2           | 9,485          | 4.6     | 441      |          |                 |         |               |     |
|                                 |                                    |           | 1  | WITH HERD-MATES  | 2           | 9,485          | 4.6     | 441      | 2        | 7,570           | 362     |               |     |
|                                 |                                    |           |    |                  |             |                |         |          | DIFF.    | 1915            | 79      |               |     |
| 584259                          | .....                              |           |    |                  |             |                |         |          |          |                 |         |               |     |
|                                 |                                    |           | 6  | NDN-AI DAUGHTERS | 6           | 10,895         | 5.6     | 608      |          |                 |         |               |     |
| STATES- 22,52,64                |                                    |           | 6  | WITH HERD-MATES  | 6           | 10,895         | 5.6     | 608      | 21       | 9,503           | 520     |               |     |
|                                 |                                    |           |    |                  |             |                |         |          | DIFF.    | 1392            | 88      |               |     |
| 584285                          | ANSDM VISITDR.....                 |           |    |                  |             |                |         |          |          |                 |         |               |     |
| 11-06-57                        | D1D008847                          | D1D060687 | 9  | NDN-AI DAUGHTERS | 10          | 9,061          | 5.5     | 500      |          |                 |         |               |     |
|                                 | LISTED, 03-64                      |           | 9  | WITH HERD-MATES  | 10          | 9,061          | 5.5     | 500      | 33       | 9,715           | 493     |               |     |
| STATES- 14,23,31,51,55,56,63,93 |                                    |           |    |                  |             |                |         |          | DIFF.    | 654-            | 7       |               |     |
| 584308                          | .....                              |           |    |                  |             |                |         |          |          |                 |         |               |     |
|                                 |                                    |           | 5  | NDN-AI DAUGHTERS | 5           | 6,552          | 5.9     | 386      |          |                 |         |               |     |
| STATES- 42                      |                                    |           | 5  | WITH HERD-MATES  | 5           | 6,552          | 5.9     | 386      | 28       | 7,367           | 382     |               |     |
|                                 |                                    |           |    |                  |             |                |         |          | DIFF.    | 815-            | 4       |               |     |
| 584321                          | BRIGHAM MAIDEN LAD DRVILLE.....    |           |    |                  |             |                |         |          |          |                 |         |               |     |
| 10-16-58                        | 480642                             | 1447846   | 8  | NDN-AI DAUGHTERS | 9           | 9,274          | 4.9     | 452      |          |                 |         |               |     |
|                                 | LISTED, D5-64                      |           | 8  | WITH HERD-MATES  | 9           | 9,274          | 4.9     | 452      | 15       | 8,180           | 407     |               |     |
| STATES- 13,14,34,56             |                                    |           |    |                  |             |                |         |          | DIFF.    | 1094            | 45      |               |     |
| 584362                          | .....                              |           |    |                  |             |                |         |          |          |                 |         |               |     |
|                                 |                                    |           | 13 | NON-AI DAUGHTERS | 14          | 6,902          | 5.1     | 352      |          |                 |         |               |     |
| STATES- 56,57,61,63             |                                    |           | 13 | WITH HERD-MATES  | 14          | 6,902          | 5.1     | 352      | 35       | 6,925           | 334     |               |     |
|                                 |                                    |           |    |                  |             |                |         |          | DIFF.    | 23-             | 18      |               |     |
| 584423                          | .....                              |           |    |                  |             |                |         |          |          |                 |         |               |     |
|                                 |                                    |           | 14 | NDN-AI DAUGHTERS | 14          | 6,741          | 5.2     | 350      |          |                 |         |               |     |
| STATES- 23                      |                                    |           | 12 | WITH HERD-MATES  | 12          | 7,210          | 5.2     | 373      | 9        | 8,813           | 440     |               |     |
|                                 |                                    |           |    |                  |             |                |         |          | DIFF.    | 1603-           | 67-     |               |     |

## SIRE OF OHIA DAUGHTERS

| SIRE'S OF DATA DAUGHTER |                                |               |                  | AV. RECORDS      | PRODUCTION OF |        |     | DAU. FAT | ADJ. AV. | HERD-MATES MILK | AV. FAT | PREDICTED AV. |           |
|-------------------------|--------------------------------|---------------|------------------|------------------|---------------|--------|-----|----------|----------|-----------------|---------|---------------|-----------|
| JERSEY                  |                                |               |                  | NUMBER           | L8            | %      | L8  | NUMBER   | L8       | L8              | L8      | MILK L8       | FAT L8    |
| 584429                  | .....                          |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| STATES-                 | 92                             | 5             | NON-AI DAUGHTERS | 7                | 8,460         | 5.1    | 435 |          |          |                 |         |               |           |
|                         |                                | 5             | WITH HERD-MATES  | 7                | 8,460         | 5.1    | 435 | 17       |          | 9,289           | 485     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 829-            | 50-     |               |           |
| 584443                  | MARLU ADVANCE MILESTONE.....   |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| 09-08-58                | 563805                         | 1743569       | 2                | AI DAUGHTERS-02  |               |        |     |          |          |                 |         |               |           |
| AI STUO,                | 35-05                          | LISTED, 05-64 | 2                | WITH HERD-MATES  |               |        |     |          |          |                 |         |               |           |
| STATES-                 | 33,35                          |               |                  |                  |               |        |     |          |          |                 |         |               |           |
|                         |                                | 7             | NON-AI DAUGHTERS | 7                | 8,144         | 5.3    | 435 |          |          |                 |         |               |           |
|                         |                                | 7             | WITH HERD-MATES  | 7                | 8,144         | 5.3    | 435 | 10       |          | 9,048           | 483     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 904-            | 48-     |               |           |
| 584458                  | MARLU MILESTONE MILK80Y.....   |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| 08-09-58                | 563805                         | 1914092       | 74               | AI DAUGHTERS-25* | 74            | 10,317 | 5.1 | 526      |          |                 |         |               |           |
| AI STUO,                | 23-08                          | LISTED, 05-64 | 74               | WITH HERD-MATES  | 74            | 10,317 | 5.1 | 526      | 19       |                 | 9,477   | 500           | 8,910 445 |
| STATES-                 | 23,50,55                       |               |                  |                  |               |        |     |          | DIFF.    | 840             | 26      |               |           |
|                         |                                | 1             | NON-AI DAUGHTERS | 1                | 9,920         | 5.5    | 545 |          |          |                 |         |               |           |
|                         |                                | 1             | WITH HERD-MATES  | 1                | 9,920         | 5.5    | 545 | 50       |          | 9,832           | 555     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 88              | 10-     |               |           |
| 584460                  | .....                          |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| STATES-                 | 31                             | 6             | NON-AI DAUGHTERS | 7                | 9,673         | 5.3    | 513 |          |          |                 |         |               |           |
|                         |                                | 6             | WITH HERD-MATES  | 7                | 9,673         | 5.3    | 513 | 7        |          | 8,753           | 466     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 920             | 47      |               |           |
| 584493                  | STUROY-S FAWN GAM80GE.....     |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| 05-08-56                | 572827                         | 2165581       | 8                | NON-AI DAUGHTERS | 10            | 6,642  | 5.5 | 364      |          |                 |         |               |           |
| STATES-                 | 35                             | 8             | WITH HERD-MATES  | 10               | 6,642         | 5.5    | 364 | 18       |          | 6,694           | 338     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 52-             | 26      |               |           |
| 584532                  | ZINNIA-S OESERT MILESTONE..... |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| 09-29-58                | 563805                         | 1983664       | 32               | NON-AI DAUGHTERS | 32            | 9,907  | 5.2 | 520      |          |                 |         |               |           |
| STATES-                 | 88                             | 32            | WITH HERD-MATES  | 32               | 9,907         | 5.2    | 520 | 31       |          | 10,112          | 543     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 205-            | 23-     |               |           |
| 584562                  | MARLU MILESTONE CRUSADER.....  |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| 08-28-58                | 563805                         | 1748310       | 29               | AI DAUGHTERS-17  | 29            | 8,037  | 5.3 | 425      |          |                 |         |               |           |
| AI STUO,                | 34-01                          | LISTED, 05-64 | 29               | WITH HERD-MATES  | 29            | 8,037  | 5.3 | 425      | 17       |                 | 8,644   | 446           | 7,682 403 |
| STATES-                 | 11,32,34,56                    |               |                  |                  |               |        |     | DIFF.    |          | 607-            | 21-     |               |           |
| 584588                  | BELLE-S WONDERFUL RADAR.....   |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| 10-27-58                | 557267                         | 1896186       | 11               | NON-AI DAUGHTERS | 13            | 6,946  | 5.6 | 387      |          |                 |         |               |           |
| STATES-                 | 23                             | 11            | WITH HERD-MATES  | 13               | 6,946         | 5.6    | 387 | 10       |          | 7,509           | 388     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 563-            | 1-      |               |           |
| 584605                  | .....                          |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| STATES-                 | 73                             | 5             | NON-AI DAUGHTERS | 5                | 7,878         | 4.9    | 387 |          |          |                 |         |               |           |
|                         |                                | 5             | WITH HERD-MATES  | 5                | 7,878         | 4.9    | 387 | 24       |          | 9,132           | 447     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 1254-           | 60-     |               |           |
| 584609                  | FAIR-WEATHER POLO.....         |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| 10-05-58                | 553901                         | 1995804       | 12               | NON-AI DAUGHTERS | 13            | 9,526  | 5.0 | 478      |          |                 |         |               |           |
| STATES-                 | 21,74                          | 12            | WITH HERD-MATES  | 13               | 9,526         | 5.0    | 478 | 86       |          | 8,393           | 442     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 1133            | 36      |               |           |
| 584611                  | FAIR-WEATHER ROCKET.....       |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| 11-01-58                | 518988                         | 1847034       | 11               | NON-AI DAUGHTERS | 12            | 6,987  | 5.9 | 414      |          |                 |         |               |           |
| STATES-                 | 21,58                          | 11            | WITH HERD-MATES  | 12               | 6,987         | 5.9    | 414 | 76       |          | 8,280           | 434     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 1293-           | 20-     |               |           |
| 584664                  | ATOMIC LIBERATOR.....          |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| 10-13-58                | 564125                         | 2014945       | 15               | AI DAUGHTERS-11  | 15            | 9,901  | 5.4 | 538      |          |                 |         |               |           |
| AI STUO,                | 91-01                          | LISTED, 05-64 | 15               | WITH HERD-MATES  | 15            | 9,901  | 5.4 | 538      | 13       |                 | 9,272   | 505           | 8,479 439 |
| STATES-                 | 91                             |               |                  |                  |               |        |     | DIFF.    |          | 629             | 33      |               |           |
| 584683                  | JEWELER U.T. POPPY LAD.....    |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| 09-26-58                | 525627                         | 1874151       | 14               | NON-AI DAUGHTERS | 20            | 6,140  | 5.2 | 322      |          |                 |         |               |           |
| STATES-                 | 63                             | 14            | WITH HERD-MATES  | 20               | 6,140         | 5.2    | 322 | 19       |          | 6,925           | 354     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 785-            | 32-     |               |           |
| 584706                  | .....                          |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| STATES-                 | 56,57                          | 6             | NON-AI DAUGHTERS | 6                | 10,847        | 5.1    | 554 |          |          |                 |         |               |           |
|                         |                                | 5             | WITH HERD-MATES  | 5                | 10,960        | 5.2    | 567 | 43       |          | 9,053           | 471     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 1907            | 96      |               |           |
| 584735                  | COUNT BASILEUS.....            |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| 11-04-58                | 528332                         | 1623579       | 15               | AI DAUGHTERS-12  | 15            | 7,767  | 5.3 | 408      |          |                 |         |               |           |
| AI STUO,                | 31-02                          | LISTED, 05-64 | 14               | WITH HERD-MATES  | 14            | 7,871  | 5.2 | 411      | 13       |                 | 8,909   | 467           | 7,560 389 |
| STATES-                 | 16,31,56,58,64                 |               |                  |                  |               |        |     | DIFF.    |          | 1038-           | 56-     |               |           |
| 584745                  | CRYSTAL FASHION PRINCE.....    |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| 10-23-58                | 571911                         | 1983361       | 9                | NON-AI DAUGHTERS | 9             | 6,399  | 5.7 | 364      |          |                 |         |               |           |
| STATES-                 | 23                             | 9             | WITH HERD-MATES  | 9                | 6,399         | 5.7    | 364 | 16       |          | 7,800           | 402     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 1401-           | 38-     |               |           |
| 584962                  | .....                          |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| STATES-                 | 31,35                          | 5             | NON-AI DAUGHTERS | 5                | 9,276         | 5.3    | 495 |          |          |                 |         |               |           |
|                         |                                | 5             | WITH HERD-MATES  | 5                | 9,276         | 5.3    | 495 | 10       |          | 8,345           | 466     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 931             | 29      |               |           |
| 584977                  | SABLE-S FAVORITE SIR.....      |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| 09-26-57                | 559280                         | 2141824       | 11               | NON-AI DAUGHTERS | 13            | 8,855  | 5.3 | 473      |          |                 |         |               |           |
| STATES-                 | 21                             | 11            | WITH HERD-MATES  | 13               | 8,855         | 5.3    | 473 | 15       |          | 9,348           | 490     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 493-            | 17-     |               |           |
| 585130                  | ETTA BULLSEYE JIM.....         |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| 11-03-58                | 558624                         | 1833782       | 11               | NON-AI DAUGHTERS | 11            | 7,010  | 5.1 | 358      |          |                 |         |               |           |
| STATES-                 | 32                             | 11            | WITH HERD-MATES  | 11               | 7,010         | 5.1    | 358 | 16       |          | 8,299           | 418     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 1289-           | 60-     |               |           |
| 585211                  | .....                          |               |                  |                  |               |        |     |          |          |                 |         |               |           |
| STATES-                 | 42                             | 7             | NON-AI DAUGHTERS | 7                | 8,497         | 5.4    | 455 |          |          |                 |         |               |           |
|                         |                                | 7             | WITH HERD-MATES  | 7                | 8,497         | 5.4    | 455 | 23       |          | 8,134           | 428     |               |           |
|                         |                                |               |                  |                  |               |        |     | DIFF.    |          | 363             | 27      |               |           |

## SIRE OF OHIA DAUGHTERS

| JERSEY   |                                    |    |                  | AV. RECORDS<br>NUMBER | PRODUCTION OF<br>MILK L8 | TEST<br>% | DAU-<br>FAT L8 | AOJ. AV.<br>NUMBER | HERO-MATES<br>MILK L8 | AV. FAT<br>L8 | PREDICTED AV.<br>MILK L8 | FAT L8 |
|--|------------------------------------|----|------------------|-----------------------|--------------------------|-----------|----------------|--------------------|-----------------------|---------------|--------------------------|--------|
| 585218   | DANOY-S SPECIAL RULER.....         |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
| 04-03-58                                       | 558730 2025223                     | 8  | NON-AI DAUGHTERS | 8                     | 6,924                    | 5.3       | 367            |                    |                       |               |                          |        |
|  | LISTED, 05-64                      | 8  | WITH HERD-MATES  | 8                     | 6,924                    | 5.3       | 367            | 9                  | 7,486                 | 377           |                          |        |
| STATES- 42                                     |                                    |    |                  |                       |                          |           |                | OIFF.              | 562-                  | 10-           |                          |        |
| 585301   | .....                              |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
|  |                                    | 8  | NON-AI DAUGHTERS | 8                     | 9,124                    | 5.7       | 523            |                    |                       |               |                          |        |
| STATES- 23                                     |                                    | 8  | WITH HERD-MATES  | 8                     | 9,124                    | 5.7       | 523            | 17                 | 9,060                 | 469           |                          |        |
|  |                                    |    |                  |                       |                          |           |                | OIFF.              | 64                    | 54            |                          |        |
| 585348   | SABLE-S WELCOME SENSATION.....     |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
| 07-07-58                                       | 513246 2057351                     | 84 | AI DAUGHTERS-25* | 87                    | 9,233                    | 5.1       | 469            |                    |                       |               |                          |        |
| AI STUO, 21-01                                 | LISTED, 05-64                      | 84 | WITH HERD-MATES  | 87                    | 9,233                    | 5.1       | 469            | 20                 | 8,700                 | 454           | 8,585                    | 433    |
| STATES- 13,21                                  |                                    |    |                  |                       |                          |           |                | OIFF.              | 533                   | 15            |                          |        |
| 585366   | .....                              |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
|  |                                    | 5  | NON-AI DAUGHTERS | 5                     | 6,954                    | 5.1       | 356            |                    |                       |               |                          |        |
| STATES- 32                                     |                                    | 5  | WITH HERD-MATES  | 5                     | 6,954                    | 5.1       | 356            | 17                 | 8,408                 | 430           |                          |        |
|  |                                    |    |                  |                       |                          |           |                | OIFF.              | 1454-                 | 74-           |                          |        |
| 585367   | ECLIPSE ADVANCER ROYALIST.....     |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
| 10-02-58                                       | 484019 1709950                     | 30 | AI DAUGHTERS-23  | 30                    | 9,079                    | 5.2       | 476            |                    |                       |               |                          |        |
| AI STUO, 21-01                                 | LISTED, 05-64                      | 30 | WITH HERD-MATES  | 30                    | 9,079                    | 5.2       | 476            | 15                 | 8,592                 | 446           | 8,449                    | 439    |
| STATES- 13,21                                  |                                    |    |                  |                       |                          |           |                | OIFF.              | 487                   | 30            |                          |        |
| 585393   | .....                              |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
|  |                                    | 11 | AI DAUGHTERS-06  | 11                    | 7,003                    | 5.4       | 376            |                    |                       |               |                          |        |
| AI STUO, 23-08                                 |                                    | 11 | WITH HERD-MATES  | 11                    | 7,003                    | 5.4       | 376            | 9                  | 8,501                 | 443           | 7,382                    | 386    |
| STATES- 23                                     |                                    |    |                  |                       |                          |           |                | OIFF.              | 1498-                 | 67-           |                          |        |
|  |                                    | 1  | NON-AI DAUGHTERS | 1                     | 7,040                    | 5.8       | 405            |                    |                       |               |                          |        |
|  |                                    | 1  | WITH HERD-MATES  | 1                     | 7,040                    | 5.8       | 405            | 8                  | 9,740                 | 525           |                          |        |
|  |                                    |    |                  |                       |                          |           |                | OIFF.              | 2700-                 | 120-          |                          |        |
| 585427   | IMP. LOUISES ROCKET.....           |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
| 10-09-54                                       | 010008692 010057213                | 49 | AI DAUGHTERS-25* | 55                    | 7,501                    | 5.2       | 391            |                    |                       |               |                          |        |
| AI STUO, 51-02                                 | LISTED, 05-64                      | 47 | WITH HERD-MATES  | 53                    | 7,567                    | 5.2       | 393            | 20                 | 7,925                 | 410           | 7,772                    | 402    |
| STATES- 11,16,21,22,23,31,32,33,42,51,52,54,56 |                                    |    |                  |                       |                          |           |                | OIFF.              | 358-                  | 17-           |                          |        |
|  |                                    | 3  | NON-AI DAUGHTERS | 3                     | 8,177                    | 5.6       | 458            |                    |                       |               |                          |        |
|  |                                    | 3  | WITH HERD-MATES  | 3                     | 8,177                    | 5.6       | 458            | 14                 | 8,463                 | 441           |                          |        |
|  |                                    |    |                  |                       |                          |           |                | OIFF.              | 286-                  | 17            |                          |        |
| 585428   | IMP. ITASKA-S FILLAPIL ROCKET..... |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
| 04-26-57                                       | 585427 010057693                   | 17 | NON-AI DAUGHTERS | 20                    | 6,624                    | 5.7       | 379            |                    |                       |               |                          |        |
|  | LISTED, 03-64                      | 17 | WITH HERD-MATES  | 20                    | 6,624                    | 5.7       | 379            | 46                 | 7,300                 | 386           |                          |        |
| STATES- 22,23,41,55,61                         |                                    |    |                  |                       |                          |           |                | OIFF.              | 676-                  | 7-            |                          |        |
| 585449   | .....                              |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
|  |                                    | 6  | NON-AI DAUGHTERS | 7                     | 8,963                    | 5.2       | 468            |                    |                       |               |                          |        |
| STATES- 84                                     |                                    | 6  | WITH HERD-MATES  | 7                     | 8,963                    | 5.2       | 468            | 30                 | 8,386                 | 431           |                          |        |
|  |                                    |    |                  |                       |                          |           |                | OIFF.              | 577                   | 37            |                          |        |
| 585587   | JESTER SLEEPING BASIL JESTER.....  |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
| 04-26-58                                       | 534585 1910716                     | 12 | NON-AI DAUGHTERS | 13                    | 7,005                    | 5.3       | 368            |                    |                       |               |                          |        |
|  | LISTED, 11-63                      | 12 | WITH HERD-MATES  | 13                    | 7,005                    | 5.3       | 368            | 21                 | 6,682                 | 341           |                          |        |
| STATES- 61,65,74                               |                                    |    |                  |                       |                          |           |                | OIFF.              | 323                   | 27            |                          |        |
| 585598   | .....                              |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
|  |                                    | 11 | NON-AI DAUGHTERS | 12                    | 7,525                    | 5.2       | 389            |                    |                       |               |                          |        |
| STATES- 57,58                                  |                                    | 11 | WITH HERD-MATES  | 12                    | 7,525                    | 5.2       | 389            | 15                 | 8,084                 | 424           |                          |        |
|  |                                    |    |                  |                       |                          |           |                | OIFF.              | 559-                  | 35-           |                          |        |
| 585612   | .....                              |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
|  |                                    | 5  | NON-AI DAUGHTERS | 6                     | 7,553                    | 5.1       | 387            |                    |                       |               |                          |        |
| STATES- 11                                     |                                    | 4  | WITH HERD-MATES  | 5                     | 8,146                    | 5.0       | 407            | 16                 | 8,664                 | 433           |                          |        |
|  |                                    |    |                  |                       |                          |           |                | OIFF.              | 518-                  | 26-           |                          |        |
| 585679   | .....                              |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
|  |                                    | 5  | NON-AI DAUGHTERS | 8                     | 7,494                    | 5.2       | 391            |                    |                       |               |                          |        |
| STATES- 82,92                                  |                                    | 5  | WITH HERD-MATES  | 7                     | 7,558                    | 5.2       | 393            | 10                 | 8,230                 | 433           |                          |        |
|  |                                    |    |                  |                       |                          |           |                | OIFF.              | 672-                  | 40-           |                          |        |
| 585748   | IMP. KEEPER-S JEST OREAMER.....    |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
| 03-20-57                                       | 010009013 010052638                | 72 | NON-AI DAUGHTERS | 76                    | 8,870                    | 5.4       | 477            |                    |                       |               |                          |        |
|  | LISTED, 03-64                      | 72 | WITH HERD-MATES  | 76                    | 8,870                    | 5.4       | 477            | 62                 | 9,228                 | 474           |                          |        |
| STATES- 93                                     |                                    |    |                  |                       |                          |           |                | OIFF.              | 358-                  | 3             |                          |        |
| 585765   | .....                              |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
|  |                                    | 5  | NON-AI DAUGHTERS | 5                     | 9,268                    | 5.0       | 464            |                    |                       |               |                          |        |
| STATES- 31                                     |                                    | 5  | WITH HERD-MATES  | 5                     | 9,268                    | 5.0       | 464            | 7                  | 9,773                 | 555           |                          |        |
|  |                                    |    |                  |                       |                          |           |                | OIFF.              | 505-                  | 91-           |                          |        |
| 585832   | .....                              |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
|  |                                    | 6  | NON-AI DAUGHTERS | 7                     | 5,414                    | 5.3       | 289            |                    |                       |               |                          |        |
| STATES- 32                                     |                                    | 6  | WITH HERD-MATES  | 7                     | 5,414                    | 5.3       | 289            | 13                 | 7,110                 | 381           |                          |        |
|  |                                    |    |                  |                       |                          |           |                | OIFF.              | 1696-                 | 92-           |                          |        |
| 585840   | .....                              |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
|  |                                    | 6  | NON-AI DAUGHTERS | 6                     | 9,877                    | 5.0       | 490            |                    |                       |               |                          |        |
| STATES- 32                                     |                                    | 6  | WITH HERD-MATES  | 6                     | 9,877                    | 5.0       | 490            | 13                 | 8,731                 | 413           |                          |        |
|  |                                    |    |                  |                       |                          |           |                | OIFF.              | 1146                  | 77            |                          |        |
| 585867   | .....                              |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
|  |                                    | 9  | NON-AI DAUGHTERS | 9                     | 9,163                    | 5.3       | 482            |                    |                       |               |                          |        |
| STATES- 64                                     |                                    | 9  | WITH HERO-MATES  | 9                     | 9,163                    | 5.3       | 482            | 29                 | 8,602                 | 458           |                          |        |
|  |                                    |    |                  |                       |                          |           |                | OIFF.              | 561                   | 24            |                          |        |
| 585904   | CHAMPION-S TRISTRAM SIR.....       |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
| 06-06-59                                       | 519828 1636074                     | 24 | AI DAUGHTERS-13  | 24                    | 8,468                    | 5.1       | 436            |                    |                       |               |                          |        |
| AI STUO, 23-05                                 | LISTED, 05-64                      | 23 | WITH HERD-MATES  | 23                    | 8,380                    | 5.2       | 432            | 10                 | 8,450                 | 433           | 8,045                    | 417    |
| STATES- 23                                     |                                    |    |                  |                       |                          |           |                | OIFF.              | 70-                   | 1-            |                          |        |
| 586036   | JESTER NOBLE FAVORITE LEAOR.....   |    |                  |                       |                          |           |                |                    |                       |               |                          |        |
| 01-11-59                                       | 567370 1952641                     | 7  | AI DAUGHTERS-05  | 7                     | 9,154                    | 5.1       | 464            |                    |                       |               |                          |        |
| AI STUO, 35-05                                 | LISTED, 05-64                      | 7  | WITH HERD-MATES  | 7                     | 9,154                    | 5.1       | 464            | 11                 | 8,110                 | 421           | 8,443                    | 431    |
| STATES- 33,35                                  |                                    |    |                  |                       |                          |           |                | OIFF.              | 1044                  | 43            |                          |        |



## SIREs OF DHIA DAUGHTERS

| JERSEY                                | AV. PRODUCTION OF |                  |      |        | OAU. | AOJ. HERO-MATES AV. |       |        | PREDICTED AV. |           |
|---------------------------------------|-------------------|------------------|------|--------|------|---------------------|-------|--------|---------------|-----------|
|                                       | RECORDS           | MILK             | TEST | FAT    |      | NUMBER              | MILK  | FAT    | MILK          | FAT       |
|                                       | NUMBER            | L8               | %    | L8     |      |                     | L8    | L8     | L8            | L8        |
| 586309 .....                          |                   |                  |      |        |      |                     |       |        |               |           |
| STATES- 92                            | 5                 | NON-AI DAUGHTERS | 5    | 8,746  | 5.1  | 442                 |       |        |               |           |
|                                       | 5                 | WITH HERD-MATES  | 5    | 8,746  | 5.1  | 442                 | 38    | 8,024  | 419           |           |
|                                       |                   |                  |      |        |      |                     | OIFF. | 722    | 23            |           |
| 586368 .....                          |                   |                  |      |        |      |                     |       |        |               |           |
| STATES- 31                            | 8                 | NON-AI DAUGHTERS | 8    | 9,645  | 5.7  | 548                 |       |        |               |           |
|                                       | 8                 | WITH HERD-MATES  | 8    | 9,645  | 5.7  | 548                 | 15    | 10,294 | 543           |           |
|                                       |                   |                  |      |        |      |                     | OIFF. | 649-   | 5             |           |
| 586421 FAVORITE ADVANCER SIR.....     |                   |                  |      |        |      |                     |       |        |               |           |
| 02-01-54 493165 1810139               | 23                | NON-AI DAUGHTERS | 40   | 10,904 | 5.2  | 570                 |       |        |               |           |
| LISTED, 01-63                         | 23                | WITH HERD-MATES  | 40   | 10,904 | 5.2  | 570                 | 6     | 9,976  | 517           |           |
| STATES- 92                            |                   |                  |      |        |      |                     | OIFF. | 928    | 53            |           |
| 586549 .....                          |                   |                  |      |        |      |                     |       |        |               |           |
| STATES- 91                            | 5                 | NON-AI DAUGHTERS | 5    | 8,644  | 5.3  | 462                 |       |        |               |           |
|                                       | 5                 | WITH HERD-MATES  | 5    | 8,644  | 5.3  | 462                 | 14    | 8,824  | 459           |           |
|                                       |                   |                  |      |        |      |                     | OIFF. | 180-   | 3             |           |
| 586612 OONNA-S OESIGN OREAMER.....    |                   |                  |      |        |      |                     |       |        |               |           |
| 08-30-58 526137 1773722               | 8                 | NON-AI DAUGHTERS | 8    | 6,929  | 5.3  | 364                 |       |        |               |           |
| LISTED, 05-64                         | 8                 | WITH HERD-MATES  | 8    | 6,929  | 5.3  | 364                 | 29    | 7,413  | 377           |           |
| STATES- 57,63                         |                   |                  |      |        |      |                     | DIFF. | 484-   | 13-           |           |
| 586660 .....                          |                   |                  |      |        |      |                     |       |        |               |           |
| STATES- 87                            | 7                 | NON-AI DAUGHTERS | 7    | 5,769  | 5.3  | 305                 |       |        |               |           |
|                                       | 7                 | WITH HERD-MATES  | 7    | 5,769  | 5.3  | 305                 | 43    | 6,734  | 333           |           |
|                                       |                   |                  |      |        |      |                     | DIFF. | 965-   | 28-           |           |
| 586681 8EACON BAS FAULTLESS.....      |                   |                  |      |        |      |                     |       |        |               |           |
| 05-27-58 559928 1559584               | 12                | NON-AI DAUGHTERS | 12   | 7,354  | 5.0  | 369                 |       |        |               |           |
| AI STUD, 63-01 LISTED, 03-64          | 12                | WITH HERD-MATES  | 12   | 7,354  | 5.0  | 369                 | 20    | 7,047  | 356           |           |
| STATES- 63                            |                   |                  |      |        |      |                     | DIFF. | 307    | 13            |           |
| 586761 .....                          |                   |                  |      |        |      |                     |       |        |               |           |
| STATES- 63                            | 5                 | NON-AI DAUGHTERS | 5    | 7,022  | 5.1  | 357                 |       |        |               |           |
|                                       | 5                 | WITH HERD-MATES  | 5    | 7,022  | 5.1  | 357                 | 19    | 7,794  | 399           |           |
|                                       |                   |                  |      |        |      |                     | OIFF. | 772-   | 42-           |           |
| 586772 MISTER NOBLE ROYALIST.....     |                   |                  |      |        |      |                     |       |        |               |           |
| 03-22-59 549122 2144918               | 9                 | NON-AI DAUGHTERS | 10   | 8,548  | 5.1  | 436                 |       |        |               |           |
| LISTED, 05-64                         | 9                 | WITH HERD-MATES  | 10   | 8,548  | 5.1  | 436                 | 10    | 8,373  | 436           |           |
| STATES- 33                            |                   |                  |      |        |      |                     | DIFF. | 175    |               |           |
| 586789 .....                          |                   |                  |      |        |      |                     |       |        |               |           |
| STATES- 42                            | 5                 | NON-AI DAUGHTERS | 5    | 9,932  | 4.9  | 485                 |       |        |               |           |
|                                       | 5                 | WITH HERD-MATES  | 5    | 9,932  | 4.9  | 485                 | 9     | 8,307  | 402           |           |
|                                       |                   |                  |      |        |      |                     | DIFF. | 1625   | 83            |           |
| 586832 .....                          |                   |                  |      |        |      |                     |       |        |               |           |
| STATES- 31,61                         | 5                 | NON-AI DAUGHTERS | 5    | 7,052  | 5.4  | 379                 |       |        |               |           |
|                                       | 5                 | WITH HERD-MATES  | 5    | 7,052  | 5.4  | 379                 | 14    | 8,709  | 456           |           |
|                                       |                   |                  |      |        |      |                     | OIFF. | 1657-  | 77-           |           |
| 586838 .....                          |                   |                  |      |        |      |                     |       |        |               |           |
| STATES- 64                            | 5                 | NON-AI DAUGHTERS | 5    | 5,640  | 5.4  | 302                 |       |        |               |           |
|                                       | 5                 | WITH HERD-MATES  | 5    | 5,640  | 5.4  | 302                 | 18    | 7,606  | 402           |           |
|                                       |                   |                  |      |        |      |                     | DIFF. | 1966-  | 100-          |           |
| 586913 MARSHALL SECRET OAK.....       |                   |                  |      |        |      |                     |       |        |               |           |
| 11-26-58 533617 1975143               | 9                 | AI DAUGHTERS-08  | 9    | 8,693  | 5.2  | 456                 |       |        |               |           |
| AI STUD, 21-01 LISTED, 05-64          | 9                 | WITH HERD-MATES  | 9    | 8,693  | 5.2  | 456                 | 18    | 9,095  | 483           | 7,940 408 |
| STATES- 13,21                         |                   |                  |      |        |      |                     | DIFF. | 402-   | 27-           |           |
| 586919 .....                          |                   |                  |      |        |      |                     |       |        |               |           |
| STATES- 11                            | 5                 | NON-AI DAUGHTERS | 5    | 7,044  | 5.2  | 363                 |       |        |               |           |
|                                       | 5                 | WITH HERD-MATES  | 5    | 7,044  | 5.2  | 363                 | 6     | 8,307  | 435           |           |
|                                       |                   |                  |      |        |      |                     | OIFF. | 1263-  | 72-           |           |
| 586926 COMMANDO ADVANCER OREAMER..... |                   |                  |      |        |      |                     |       |        |               |           |
| 03-26-58 493979 2066858               | 11                | NON-AI DAUGHTERS | 13   | 6,098  | 4.6  | 278                 |       |        |               |           |
| LISTED, 05-64                         | 11                | WITH HERO-MATES  | 13   | 6,098  | 4.6  | 278                 | 27    | 6,427  | 305           |           |
| STATES- 63                            |                   |                  |      |        |      |                     | OIFF. | 329-   | 27-           |           |
| 587254 RECORD-S ADVANCER ROCKET.....  |                   |                  |      |        |      |                     |       |        |               |           |
| 11-21-58 520485 1760613               | 17                | AI DAUGHTERS-15  | 17   | 8,615  | 5.1  | 442                 |       |        |               |           |
| AI STUD, 21-01 LISTED, 05-64          | 17                | WITH HERD-MATES  | 17   | 8,615  | 5.1  | 442                 | 13    | 8,324  | 436           | 8,250 421 |
| STATES- 11,13,21                      |                   |                  |      |        |      |                     | OIFF. | 291    | 6             |           |
|                                       | 2                 | NON-AI DAUGHTERS | 2    | 7,925  | 5.5  | 439                 |       |        |               |           |
|                                       | 2                 | WITH HERD-MATES  | 2    | 7,925  | 5.5  | 439                 | 34    | 8,417  | 451           |           |
|                                       |                   |                  |      |        |      |                     | OIFF. | 492-   | 12-           |           |
| 587332 MISTER BASIL VOLUNTEER.....    |                   |                  |      |        |      |                     |       |        |               |           |
| 10-08-58 549122 1829893               | 10                | NON-AI DAUGHTERS | 11   | 8,714  | 5.2  | 451                 |       |        |               |           |
| LISTED, 05-64                         | 10                | WITH HERD-MATES  | 11   | 8,714  | 5.2  | 451                 | 9     | 8,324  | 445           |           |
| STATES- 32                            |                   |                  |      |        |      |                     | OIFF. | 390    | 6             |           |
| 587525 JESTER-S BLONDE OESIGN.....    |                   |                  |      |        |      |                     |       |        |               |           |
| 03-29-58 568187 1747257               | 11                | NON-AI DAUGHTERS | 11   | 6,861  | 4.5  | 310                 |       |        |               |           |
| LISTED, 08-63                         | 9                 | WITH HERD-MATES  | 9    | 6,841  | 4.6  | 313                 | 6     | 8,109  | 365           |           |
| STATES- 31                            |                   |                  |      |        |      |                     | OIFF. | 1268-  | 52-           |           |
| 587548 .....                          |                   |                  |      |        |      |                     |       |        |               |           |
| STATES- 43                            | 7                 | NON-AI DAUGHTERS | 7    | 10,217 | 4.7  | 477                 |       |        |               |           |
|                                       | 7                 | WITH HERD-MATES  | 7    | 10,217 | 4.7  | 477                 | 30    | 8,406  | 439           |           |
|                                       |                   |                  |      |        |      |                     | OIFF. | 1811   | 38            |           |
| 587644 .....                          |                   |                  |      |        |      |                     |       |        |               |           |
| STATES- 31                            | 8                 | NON-AI DAUGHTERS | 8    | 8,634  | 4.8  | 417                 |       |        |               |           |
|                                       | 8                 | WITH HERD-MATES  | 8    | 8,634  | 4.8  | 417                 | 8     | 8,566  | 435           |           |
|                                       |                   |                  |      |        |      |                     | OIFF. | 68     | 18-           |           |

## SIREs OF DHIA DAUGHTERS

| JERSEY   |                    |    | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES | AV. PREDICTED |
|--|--------------------|----|------------------------|-----------------|---------------|
|  |                    |    | RECORDS MILK TEST FAT  | AV. MILK FAT    | MILK FAT      |
|  |                    |    | NUMBER LB % LB         | NUMBER LB LB    | LB LB         |
| 588262   | .....              |    |                        |                 |               |
| STATES- 57                                       | 6 NDN-AI DAUGHTERS | 6  | 6,777 5.2 350          | 29 6,693 390    |               |
|  | 6 WITH HERD-MATES  | 6  | 6,777 5.2 350          | DIFF. 84 40-    |               |
| 588272   | .....              |    |                        |                 |               |
| STATES- 91                                       | 6 NDN-AI DAUGHTERS | 6  | 9,255 5.1 472          | 10 8,671 450    |               |
|  | 6 WITH HERD-MATES  | 6  | 9,255 5.1 472          | DIFF. 584 22    |               |
| 588350 BUTTERNUT TRISTRAM LORD.....              |                    |    |                        |                 |               |
| 01-22-59 537169 2035404 5 AI DAUGHTERS-05        |                    | 5  | 6,334 5.5 351          |                 |               |
| AI STUD, 21-01 LISTED, 05-64 5 WITH HERD-MATES   |                    | 5  | 6,334 5.5 351          | 7 7,826 408     | 7,626 399     |
| STATES- 13,21                                    |                    |    |                        | DIFF. 1492- 57- |               |
| 588660   | .....              |    |                        |                 |               |
| STATES- 42                                       | 5 NDN-AI DAUGHTERS | 5  | 8,260 4.6 379          | 18 8,848 462    |               |
|  | 5 WITH HERD-MATES  | 5  | 8,260 4.6 379          | DIFF. 588- 83-  |               |
| 588665   | .....              |    |                        |                 |               |
| STATES- 31                                       | 5 NDN-AI DAUGHTERS | 5  | 7,780 5.1 393          | 17 7,953 409    |               |
|  | 5 WITH HERD-MATES  | 5  | 7,780 5.1 393          | DIFF. 173- 16-  |               |
| 588726   | .....              |    |                        |                 |               |
| STATES- 14                                       | 5 NDN-AI DAUGHTERS | 6  | 7,674 4.8 367          | 14 6,932 340    |               |
|  | 5 WITH HERD-MATES  | 6  | 7,674 4.8 367          | DIFF. 742 27    |               |
| 588835   | .....              |    |                        |                 |               |
| AI STUD, 33-03                                   | 6 NDN-AI DAUGHTERS | 6  | 10,015 5.8 580         | 25 10,204 522   |               |
| STATES- 23,50                                    | 6 WITH HERD-MATES  | 6  | 10,015 5.8 580         | DIFF. 189- 58   |               |
| 588882 BRAMPTON JESTER RADAR.....                |                    |    |                        |                 |               |
| 07-07-58 574754 2010820 13 NDN-AI DAUGHTERS      |                    | 14 | 8,205 5.7 465          | 9 7,787 421     |               |
| LISTED, 05-64 13 WITH HERD-MATES                 |                    | 14 | 8,205 5.7 465          | DIFF. 418 44    |               |
| STATES- 63                                       |                    |    |                        |                 |               |
| 589036   | .....              |    |                        |                 |               |
| STATES- 41                                       | 6 NDN-AI DAUGHTERS | 6  | 7,227 5.4 389          | 8 7,784 406     |               |
|  | 5 WITH HERD-MATES  | 5  | 7,460 5.3 396          | DIFF. 324- 10-  |               |
| 589213   | .....              |    |                        |                 |               |
| STATES- 23,31                                    | 5 NDN-AI DAUGHTERS | 6  | 8,338 5.0 414          | 20 8,465 422    |               |
|  | 5 WITH HERD-MATES  | 6  | 8,338 5.0 414          | DIFF. 127- 8-   |               |
| 589768   | .....              |    |                        |                 |               |
| STATES- 57                                       | 7 NDN-AI DAUGHTERS | 8  | 7,005 5.4 376          | 15 7,748 424    |               |
|  | 7 WITH HERD-MATES  | 8  | 7,005 5.4 376          | DIFF. 743- 48-  |               |
| 590106 ALLAH STOCKWELL BUTTERCUP.....            |                    |    |                        |                 |               |
| 04-04-57 552534 1387699 12 NDN-AI DAUGHTERS      |                    | 21 | 8,085 5.4 440          | 27 9,306 482    |               |
| LISTED, 08-63 12 WITH HERD-MATES                 |                    | 21 | 8,085 5.4 440          | DIFF. 1221- 42- |               |
| STATES- 13                                       |                    |    |                        |                 |               |
| 590262 FAVORITE COMMANDO SENATOR.....            |                    |    |                        |                 |               |
| 01-01-58 524581 1914500 21 NDN-AI DAUGHTERS      |                    | 25 | 9,475 5.4 515          | 23 9,273 496    |               |
| LISTED, 11-63 21 WITH HERD-MATES                 |                    | 25 | 9,475 5.4 515          | DIFF. 202 19    |               |
| STATES- 82                                       |                    |    |                        |                 |               |
| 591173   | .....              |    |                        |                 |               |
| STATES- 23                                       | 7 NDN-AI DAUGHTERS | 7  | 7,284 5.4 391          | 33 9,008 469    |               |
|  | 7 WITH HERD-MATES  | 7  | 7,284 5.4 391          | DIFF. 1724- 78- |               |
| 592529   | .....              |    |                        |                 |               |
| STATES- 32                                       | 6 NDN-AI DAUGHTERS | 8  | 5,924 5.8 346          | 25 7,583 426    |               |
|  | 6 WITH HERD-MATES  | 8  | 5,924 5.8 346          | DIFF. 1659- 80- |               |
| 595752 BEACON-S RDYAL NAT.....                   |                    |    |                        |                 |               |
| 11-10-57 564151 2191988 12 NDN-AI DAUGHTERS      |                    | 13 | 7,843 5.3 412          | 32 9,256 477    |               |
| LISTED, 03-64 12 WITH HERD-MATES                 |                    | 13 | 7,843 5.3 412          | DIFF. 1413- 65- |               |
| STATES- 34                                       |                    |    |                        |                 |               |
| 597008   | .....              |    |                        |                 |               |
| STATES- 23                                       | 6 NDN-AI DAUGHTERS | 6  | 6,607 4.8 320          | 17 7,731 391    |               |
|  | 6 WITH HERD-MATES  | 6  | 6,607 4.8 320          | DIFF. 1124- 71- |               |
| 010101251 BRAMPTON WORLD-S RECORDS.....          |                    |    |                        |                 |               |
| 09-15-38 010091299 010064965 33 NDN-AI DAUGHTERS |                    | 97 | 8,720 5.1 443          |                 |               |
| STATES- 13,15,16,21,22,31,34, 6 WITH HERD-MATES  |                    | 26 | 9,492 4.8 455          | 14 8,232 432    |               |
| 42,51,52,57,61,63,74,82,87,91, 93                |                    |    |                        | DIFF. 1260 23   |               |
| 010108391 BRAMPTON VI BASIL PINN.....            |                    |    |                        |                 |               |
| 06-30-43 010100201 010117135 33 NDN-AI DAUGHTERS |                    | 96 | 6,596 5.5 363          | 6 7,337 376     |               |
| STATES- 11,31,34,57,61,63,64, 4 WITH HERD-MATES  |                    | 14 | 6,170 5.3 326          | DIFF. 1167- 50- |               |
| 74   |                    |    |                        |                 |               |
| 010115072 CAMPBURN REALLY RDYAL.....             |                    |    |                        |                 |               |
| 11-12-46 010103471 010159538 15 NDN-AI DAUGHTERS |                    | 29 | 8,047 5.6 450          | 20 8,505 447    |               |
| LISTED, 08-62 14 WITH HERD-MATES                 |                    | 28 | 7,950 5.6 448          | DIFF. 555- 1    |               |
| STATES- 11,12,13,21,32,55                        |                    |    |                        |                 |               |
| 010121754 BRAMPTON CARDM BEACON.....             |                    |    |                        |                 |               |
| 03-21-51 010111595 010117032 18 NDN-AI DAUGHTERS |                    | 36 | 7,145 5.3 379          | 37 7,866 409    |               |
| LISTED, 08-62 15 WITH HERD-MATES                 |                    | 31 | 7,411 5.3 396          | DIFF. 455- 13-  |               |
| STATES- 11,13,16,21,31,34,50, 58,61,74           |                    |    |                        |                 |               |

## SIREs OF OHIA DAUGHTERS

| JERSEY          | AV. PRODUCTION OF OAU. |                  |      |        | ADJ. HERD-MATES AV. |      |       | PREOICTED AV. |     |
|-----------------|------------------------|------------------|------|--------|---------------------|------|-------|---------------|-----|
|                 | RECORDS                | MILK             | TEST | FAT    | AV.                 | MILK | FAT   | MILK          | FAT |
|                 | NUMBER                 | LB               | %    | LB     | NUMBER              | LB   | LB    | LB            | LB  |
| 010127672 ..... | 5                      | NON-AI DAUGHTERS | 5    | 10,040 | 5.0                 | 497  |       |               |     |
| STATES- 32,34   | 5                      | WITH HERD-MATES  | 5    | 10,040 | 5.0                 | 497  | 4     | 7,938         | 420 |
|                 |                        |                  |      |        |                     |      | DIFF. | 2102          | 77  |
| 13WA81068 ..... | 11                     | NON-AI DAUGHTERS | 16   | 7,762  | 5.2                 | 400  |       |               |     |
| STATES- 13      | 11                     | WITH HERD-MATES  | 16   | 7,762  | 5.2                 | 400  | 12    | 8,424         | 439 |
|                 |                        |                  |      |        |                     |      | DIFF. | 662-          | 39- |
| 130262453 ..... | 5                      | NON-AI DAUGHTERS | 13   | 8,623  | 5.8                 | 497  |       |               |     |
| STATES- 13      | 5                      | WITH HERD-MATES  | 13   | 8,623  | 5.8                 | 497  | 15    | 8,115         | 437 |
|                 |                        |                  |      |        |                     |      | DIFF. | 508           | 60  |
| 92HAA0429 ..... | 5                      | NON-AI DAUGHTERS | 5    | 9,366  | 5.5                 | 517  |       |               |     |
| STATES- 92      | 5                      | WITH HERD-MATES  | 5    | 9,366  | 5.5                 | 517  | 11    | 9,691         | 507 |
|                 |                        |                  |      |        |                     |      | DIFF. | 325-          | 10  |



## SIREs OF DHIA DAUGHTERS

| BRDWN SWISS   | AV. PRODUCTION OF |         |        |     | DAU. FAT L8 | ADJ. HERD-MATES AV. |         |        | PREDICTED AV. |        |
|---|-------------------|---------|--------|-----|-------------|---------------------|---------|--------|---------------|--------|
|   | RECDRDS NUMBER    | MILK LB | TEST % |     |             | NUMBER              | MILK LB | FAT L8 | MILK L8       | FAT L8 |
| 64773 AMBASSADDR RDY DF LILLY SWISS.....  |                   |         |        |     |             |                     |         |        |               |        |
| 12-04-43 40112 68253 139 AI DAUGHTERS-25*   | 325               | 10,698  | 4.3    | 455 |             |                     |         |        |               |        |
| AI STUD, 35-75 120 WITH HERD-MATES  | 278               | 10,590  | 4.2    | 450 |             | 8                   | 10,726  | 442    | 10,782        | 454    |
| STATES- 21,22,31,32,33,34,35, 41,42,43,46,47,48,51,52,55,57, 58,64,73,82,84,87,91,92,93                       | 80                | 10,941  | 4.1    | 450 |             | DIFF.               | 136-    | 8      |               |        |
| 19 NDN-AI DAUGHTERS   | 55                | 10,976  | 4.1    | 447 |             | 6                   | 10,560  | 441    |               |        |
| 10 WITH HERD-MATES  |                   |         |        |     |             | DIFF.               | 416     | 6      |               |        |
| 67380 .....   |                   |         |        |     |             |                     |         |        |               |        |
| 5 AI DAUGHTERS-02   | 8                 | 10,933  | 3.9    | 430 |             |                     |         |        |               |        |
| AI STUD, 41-04 5 WITH HERD-MATES  | 8                 | 10,933  | 3.9    | 430 |             | 8                   | 12,086  | 489    | 10,621        | 431    |
| STATES- 41  |                   |         |        |     |             | DIFF.               | 1153-   | 59-    |               |        |
| 71281 .....   |                   |         |        |     |             |                     |         |        |               |        |
| 15 NDN-AI DAUGHTERS   | 28                | 8,345   | 4.2    | 350 |             |                     |         |        |               |        |
| STATES- 21 2 WITH HERD-MATES  | 3                 | 8,898   | 4.3    | 387 |             | 4                   | 8,948   | 369    |               |        |
|   |                   |         |        |     |             | DIFF.               | 50-     | 18     |               |        |
| 79274 .....   |                   |         |        |     |             |                     |         |        |               |        |
| 5 NDN-AI DAUGHTERS  | 18                | 10,083  | 3.6    | 359 |             |                     |         |        |               |        |
| STATES- 21 1 WITH HERD-MATES  | 8                 | 13,415  | 3.6    | 483 |             | 6                   | 12,395  | 497    |               |        |
|   |                   |         |        |     |             | DIFF.               | 1020    | 14-    |               |        |
| 80515 .....   |                   |         |        |     |             |                     |         |        |               |        |
| 8 NDN-AI DAUGHTERS  | 31                | 8,301   | 4.0    | 336 |             |                     |         |        |               |        |
| STATES- 35,41 6 WITH HERD-MATES   | 19                | 8,569   | 3.9    | 336 |             | 3                   | 9,605   | 381    |               |        |
|   |                   |         |        |     |             | DIFF.               | 1036-   | 45-    |               |        |
| 82353 .....   |                   |         |        |     |             |                     |         |        |               |        |
| 5 NDN-AI DAUGHTERS  | 5                 | 8,890   | 3.9    | 347 |             |                     |         |        |               |        |
| STATES- 43,71 2 WITH HERD-MATES   | 2                 | 8,670   | 3.5    | 305 |             | 8                   | 9,752   | 390    |               |        |
|   |                   |         |        |     |             | DIFF.               | 1082-   | 85-    |               |        |
| 82462 JOHN S. JUNDR.....  |                   |         |        |     |             |                     |         |        |               |        |
| 10-08-46 37565 115445 246 AI DAUGHTERS-25*  | 420               | 11,176  | 4.3    | 476 |             |                     |         |        |               |        |
| AI STUD, 35-75 LISTED, 01-63 200 WITH HERD-MATES  | 343               | 11,104  | 4.3    | 472 |             | 9                   | 11,140  | 454    | 10,909        | 465    |
| STATES- 12,13,21,22,23,31,32, 33,34,35,41,42,43,46,47,48,51, 52,54,55,56,57,58,61,64,71,73, 74,81,84,91,92,93 | 43                | 11,916  | 4.2    | 502 |             | DIFF.               | 36-     | 18     |               |        |
| 16 NDN-AI DAUGHTERS   | 21                | 11,370  | 4.3    | 487 |             | 10                  | 10,941  | 456    |               |        |
| 5 WITH HERD-MATES   |                   |         |        |     |             | DIFF.               | 429     | 31     |               |        |
| 87861 MARCEL-S BRDWNIE G.....   |                   |         |        |     |             |                     |         |        |               |        |
| 04-28-47 49652 65404 17 NDN-AI DAUGHTERS  | 28                | 11,066  | 4.2    | 465 |             |                     |         |        |               |        |
| LISTED, 08-62 15 WITH HERD-MATES  | 23                | 10,514  | 4.3    | 455 |             | 5                   | 10,401  | 436    |               |        |
| STATES- 32,35,41,48,51,55,58, 93  |                   |         |        |     |             | DIFF.               | 113     | 19     |               |        |
| 89614 HYCREST EMPERDR.....  |                   |         |        |     |             |                     |         |        |               |        |
| 11-26-47 78928 127067 101 AI DAUGHTERS-25*  | 213               | 10,609  | 4.3    | 457 |             |                     |         |        |               |        |
| AI STUD, 31-01 LISTED, 05-64 93 WITH HERD-MATES   | 195               | 10,683  | 4.3    | 461 |             | 16                  | 11,258  | 470    | 10,446        | 441    |
| STATES- 11,13,14,16,21,22,33, 35,41,50,51,52,57,74  | 70                | 11,075  | 4.3    | 472 |             | DIFF.               | 575-    | 9-     |               |        |
| 19 NDN-AI DAUGHTERS   | 64                | 11,361  | 4.2    | 477 |             | 8                   | 10,622  | 430    |               |        |
| 16 WITH HERD-MATES  |                   |         |        |     |             | DIFF.               | 739     | 47     |               |        |
| 90497 BLACKLAND LA CHARLEY.....   |                   |         |        |     |             |                     |         |        |               |        |
| 10-08-47 71151 113828 26 AI DAUGHTERS-16  | 36                | 10,827  | 4.1    | 442 |             |                     |         |        |               |        |
| AI STUD, 48-01 LISTED, 08-62 25 WITH HERD-MATES   | 34                | 10,840  | 4.1    | 444 |             | 9                   | 10,167  | 417    | 11,323        | 463    |
| STATES- 43,48,73,74,84  | 51                | 11,836  | 4.0    | 478 |             | DIFF.               | 673     | 27     |               |        |
| 17 NDN-AI DAUGHTERS   | 49                | 11,799  | 4.0    | 474 |             | 3                   | 11,980  | 467    |               |        |
| 16 WITH HERD-MATES  |                   |         |        |     |             | DIFF.               | 181-    | 7      |               |        |
| 94773 CURTISS CANDY INTREPID PRINCE.....  |                   |         |        |     |             |                     |         |        |               |        |
| 04-14-49 82405 133371 66 AI DAUGHTERS-25*   | 152               | 10,259  | 4.1    | 419 |             |                     |         |        |               |        |
| AI STUD, 33-03 59 WITH HERD-MATES   | 138               | 10,119  | 4.1    | 413 |             | 8                   | 10,725  | 439    | 10,402        | 425    |
| STATES- 14,21,22,23,31,32,33, 34,35,41,42,48,51,52,58,73,74, 86   |                   |         |        |     |             | DIFF.               | 606-    | 26-    |               |        |
| 95205 MAYFAIR-S NELWYL.....   |                   |         |        |     |             |                     |         |        |               |        |
| 02-02-49 79584 73663 8 NDN-AI DAUGHTERS   | 8                 | 11,596  | 4.2    | 485 |             |                     |         |        |               |        |
| LISTED, 08-62 4 WITH HERD-MATES   | 4                 | 12,975  | 4.3    | 556 |             | 12                  | 13,077  | 539    |               |        |
| STATES- 92,93   |                   |         |        |     |             | DIFF.               | 102-    | 17     |               |        |
| 95399 BEL-AIR HARKNESS FRITZIE.....   |                   |         |        |     |             |                     |         |        |               |        |
| 01-01-49 59451 118253 9 NDN-AI DAUGHTERS  | 12                | 13,087  | 4.2    | 554 |             |                     |         |        |               |        |
| STATES- 21 5 WITH HERD-MATES  | 6                 | 15,071  | 4.0    | 606 |             | 11                  | 12,755  | 541    |               |        |
|   |                   |         |        |     |             | DIFF.               | 2316    | 65     |               |        |
| 99199 PRAIRIE VIEW MAB-S PRIDRITY.....  |                   |         |        |     |             |                     |         |        |               |        |
| 09-08-49 73988 99618 17 NDN-AI DAUGHTERS  | 32                | 10,674  | 4.3    | 455 |             |                     |         |        |               |        |
| STATES- 41,48,71,73,84  | 25                | 10,964  | 4.2    | 458 |             | 11                  | 10,787  | 442    |               |        |
|   |                   |         |        |     |             | DIFF.               | 177     | 16     |               |        |
| 99252 LEE-S HILL KAYAK M.....   |                   |         |        |     |             |                     |         |        |               |        |
| 09-22-49 90827 162714 633 AI DAUGHTERS-25*  | 947               | 11,121  | 4.2    | 466 |             |                     |         |        |               |        |
| AI STUD, 31-01 LISTED, 05-64 609 WITH HERD-MATES  | 911               | 11,140  | 4.2    | 467 |             | 9                   | 11,575  | 475    | 10,559        | 442    |
| STATES- 14,16,21,22,23,31,32, 33,34,35,42,43,48,51,55,56,57, 58,61,63,72,74,81,84,96                          | 77                | 11,911  | 4.2    | 500 |             | DIFF.               | 435-    | 8-     |               |        |
| 26 NDN-AI DAUGHTERS   | 61                | 11,887  | 4.2    | 499 |             | 4                   | 11,730  | 479    |               |        |
| 24 WITH HERD-MATES  |                   |         |        |     |             | DIFF.               | 157     | 20     |               |        |
| 101836 COMDCD RANSDEM-S LANCE.....  |                   |         |        |     |             |                     |         |        |               |        |
| 02-18-50 86731 118407 32 NDN-AI DAUGHTERS   | 98                | 10,348  | 4.4    | 456 |             |                     |         |        |               |        |
| STATES- 13,14,16,21,23,31,35, 41,51,55  | 96                | 10,252  | 4.4    | 453 |             | 10                  | 11,525  | 482    |               |        |
|   |                   |         |        |     |             | DIFF.               | 1273-   | 29-    |               |        |
| 102364 WEST LAWN SILVER BARRDN.....   |                   |         |        |     |             |                     |         |        |               |        |
| 02-12-50 77871 119910 20 NDN-AI DAUGHTERS   | 53                | 9,627   | 4.2    | 400 |             |                     |         |        |               |        |
| STATES- 41,47   | 47                | 9,986   | 4.2    | 416 |             | 3                   | 10,718  | 437    |               |        |
|   |                   |         |        |     |             | DIFF.               | 732-    | 21-    |               |        |

## SIRE OF OHIA DAUGHTERS

|                                |                           |         |       | AV. PRODUCTION OF |      |        |     | ADJ. HERO-MATES |       |        | PREDICTED AV. |            |
|--------------------------------|---------------------------|---------|-------|-------------------|------|--------|-----|-----------------|-------|--------|---------------|------------|
| BROWN SWISS                    |                           |         |       | RECORDS           | MILK | TEST   | FAT | AV.             | MILK  | FAT    | MILK          | FAT        |
|                                |                           |         |       | NUMBER            | L8   | %      | L8  | NUMBER          | L8    | L8     | L8            | L8         |
| 102954                         | AVON VIEW LORRAINE-S      | COLONEL | ..... |                   |      |        |     |                 |       |        |               |            |
| 09-06-50                       | 48672                     | 167718  | 118   | AI DAUGHTERS-25*  | 242  | 12,143 | 4.2 | 504             |       |        |               |            |
| AI STUO, 33-01                 | LISTEO, 05-64             |         | 116   | WITH HERD-MATES   | 234  | 12,212 | 4.2 | 507             | 8     | 11,273 | 468           | 11,799 484 |
| STATES- 23,31,33,35,41,42,51,  |                           |         |       |                   |      |        |     |                 | OIFF. | 939    | 39            |            |
| 57,72                          |                           |         | 8     | NON-AI DAUGHTERS  | 18   | 10,793 | 4.2 | 452             |       |        |               |            |
|                                |                           |         | 4     | WITH HERD-MATES   | 13   | 10,350 | 3.9 | 403             | 11    | 10,270 | 416           |            |
|                                |                           |         |       |                   |      |        |     |                 | OIFF. | 80     | 13-           |            |
| 102994                         | SWISS LANE SQUIRE-S       | HARRY   | ..... |                   |      |        |     |                 |       |        |               |            |
| 02-04-50                       | 57704                     | 94883   | 37    | AI DAUGHTERS-16   | 61   | 11,329 | 3.9 | 441             |       |        |               |            |
| AI STUO, 34-01                 | LISTEO, 05-64             |         | 35    | WITH HERD-MATES   | 54   | 11,513 | 3.9 | 448             | 9     | 11,580 | 461           | 10,921 438 |
| STATES- 34,55,56,57            |                           |         |       |                   |      |        |     |                 | OIFF. | 67-    | 13-           |            |
|                                |                           |         | 26    | NON-AI DAUGHTERS  | 119  | 12,379 | 3.9 | 486             |       |        |               |            |
|                                |                           |         | 26    | WITH HERD-MATES   | 118  | 12,423 | 3.9 | 487             | 6     | 11,896 | 470           |            |
|                                |                           |         |       |                   |      |        |     |                 | DIFF. | 527    | 17            |            |
| 104182                         | EVERGREEN ACRES EDUCATORS | THOR    | ..... |                   |      |        |     |                 |       |        |               |            |
| 11-10-49                       | 86137                     | 151068  | 18    | AI DAUGHTERS-14   | 37   | 10,383 | 4.3 | 444             |       |        |               |            |
| AI STUO, 41-01                 | LISTEO, 08-62             |         | 15    | WITH HERD-MATES   | 29   | 10,078 | 4.2 | 428             | 5     | 10,963 | 453           | 10,437 434 |
| STATES- 22,23,51,52            |                           |         |       |                   |      |        |     |                 | OIFF. | 885-   | 25-           |            |
|                                |                           |         | 7     | NON-AI DAUGHTERS  | 22   | 8,975  | 4.4 | 393             |       |        |               |            |
|                                |                           |         | 7     | WITH HERD-MATES   | 19   | 9,007  | 4.4 | 395             | 6     | 10,162 | 420           |            |
|                                |                           |         |       |                   |      |        |     |                 | OIFF. | 1155-  | 25-           |            |
| 104288                         | P.V. WHIRLAWAY-S          | HECTOR  | ..... |                   |      |        |     |                 |       |        |               |            |
| 12-01-50                       | 52640                     | 159370  | 26    | NON-AI DAUGHTERS  | 38   | 10,469 | 4.2 | 438             |       |        |               |            |
| STATES- 32,33                  | LISTEO, 08-63             |         | 25    | WITH HERD-MATES   | 36   | 10,575 | 4.2 | 439             | 10    | 11,857 | 488           |            |
|                                |                           |         |       |                   |      |        |     |                 | OIFF. | 1282-  | 49-           |            |
| 105201                         | ORANGEVILLE GALLANT-S     | HARRY   | ..... |                   |      |        |     |                 |       |        |               |            |
| 01-20-51                       | 58913                     | 128643  | 8     | AI DAUGHTERS-07   | 10   | 10,963 | 4.3 | 474             |       |        |               |            |
| AI STUO, 51-02                 | LISTEO, 05-64             |         | 6     | WITH HERD-MATES   | 8    | 12,207 | 4.3 | 522             | 12    | 12,066 | 506           | 11,006 454 |
| STATES- 31,32,51,52,57,63      |                           |         |       |                   |      |        |     |                 | OIFF. | 141    | 16            |            |
|                                |                           |         | 37    | NON-AI DAUGHTERS  | 81   | 10,794 | 4.1 | 443             |       |        |               |            |
|                                |                           |         | 11    | WITH HERD-MATES   | 28   | 12,863 | 4.0 | 518             | 8     | 12,578 | 504           |            |
|                                |                           |         |       |                   |      |        |     |                 | DIFF. | 285    | 14            |            |
| 105520                         | BRDOKFIELD ASSET          | .....   |       |                   |      |        |     |                 |       |        |               |            |
| 10-29-50                       | 86139                     | 139970  | 9     | NON-AI DAUGHTERS  | 17   | 10,200 | 4.0 | 407             |       |        |               |            |
| STATES- 22                     |                           |         | 5     | WITH HERD-MATES   | 9    | 11,523 | 4.0 | 463             | 9     | 11,432 | 468           |            |
|                                |                           |         |       |                   |      |        |     |                 | DIFF. | 91     | 5-            |            |
| 106794                         | COLONEL-S DEFENDER OF     | J-A-M   | ..... |                   |      |        |     |                 |       |        |               |            |
| 07-29-50                       | 48672                     | 197223  | 119   | AI DAUGHTERS-25*  | 276  | 11,116 | 4.2 | 467             |       |        |               |            |
| AI STUO, 31-01                 | LISTEO, 05-64             |         | 103   | WITH HERD-MATES   | 243  | 11,345 | 4.2 | 475             | 8     | 11,319 | 467           | 10,981 456 |
| STATES- 21,23,31,33,34,35,41,  |                           |         |       |                   |      |        |     |                 | OIFF. | 26     | 8             |            |
| 42,56,57                       |                           |         | 4     | NON-AI DAUGHTERS  | 9    | 9,673  | 4.0 | 385             |       |        |               |            |
|                                |                           |         | 4     | WITH HERD-MATES   | 9    | 9,673  | 4.0 | 385             | 6     | 10,330 | 417           |            |
|                                |                           |         |       |                   |      |        |     |                 | OIFF. | 657-   | 32-           |            |
| 106901                         | LEE-S HILL CENTURIDN M    | .....   |       |                   |      |        |     |                 |       |        |               |            |
| 02-25-50                       | 90827                     | 162710  | 152   | AI DAUGHTERS-25*  | 380  | 11,021 | 4.3 | 472             |       |        |               |            |
| AI STUO, 35-05                 | LISTEO, 05-64             |         | 144   | WITH HERD-MATES   | 361  | 11,042 | 4.3 | 473             | 10    | 11,187 | 457           | 10,813 463 |
| STATES- 31,32,33,35,41,42,47,  |                           |         |       |                   |      |        |     |                 | OIFF. | 145-   | 16            |            |
| 48,51,55,74,81,82,86,91        |                           |         |       |                   |      |        |     |                 |       |        |               |            |
| 107010                         | .....                     |         |       |                   |      |        |     |                 |       |        |               |            |
|                                |                           |         | 5     | NON-AI DAUGHTERS  | 5    | 11,908 | 3.7 | 442             |       |        |               |            |
| STATES- 33                     |                           |         | 5     | WITH HERD-MATES   | 5    | 11,908 | 3.7 | 442             | 8     | 12,791 | 480           |            |
|                                |                           |         |       |                   |      |        |     |                 | OIFF. | 883-   | 38-           |            |
| 107090                         | .....                     |         |       |                   |      |        |     |                 |       |        |               |            |
|                                |                           |         | 6     | NON-AI DAUGHTERS  | 12   | 12,468 | 4.2 | 523             |       |        |               |            |
| STATES- 35,42,96               |                           |         | 6     | WITH HERD-MATES   | 12   | 12,468 | 4.2 | 523             | 11    | 12,743 | 513           |            |
|                                |                           |         |       |                   |      |        |     |                 | DIFF. | 275-   | 10            |            |
| 107506                         | HYCREST BUTLER            | .....   |       |                   |      |        |     |                 |       |        |               |            |
| 10-06-50                       | 65421                     | 78476   | 83    | NON-AI DAUGHTERS  | 176  | 10,825 | 4.2 | 450             |       |        |               |            |
| AI STUO, 34-01                 | LISTEO, 05-64             |         | 75    | WITH HERD-MATES   | 163  | 10,996 | 4.2 | 457             | 13    | 11,134 | 461           |            |
| STATES- 11,12,13,14,16,21,22,  |                           |         |       |                   |      |        |     |                 | OIFF. | 138-   | 4-            |            |
| 23,31,33,34,35,41,51,52,55,57, |                           |         |       |                   |      |        |     |                 |       |        |               |            |
| 63,96                          |                           |         |       |                   |      |        |     |                 |       |        |               |            |
| 107516                         | ARBOR ROSE ACTOR STAR     | .....   |       |                   |      |        |     |                 |       |        |               |            |
| 05-19-51                       | 85891                     | 166966  | 46    | AI DAUGHTERS-08   | 77   | 10,208 | 4.2 | 432             |       |        |               |            |
| AI STUO, 91-01                 | LISTEO, 05-64             |         | 46    | WITH HERD-MATES   | 77   | 10,208 | 4.2 | 432             | 51    | 10,939 | 440           | 10,346 440 |
| STATES- 82,91,92               |                           |         |       |                   |      |        |     |                 | OIFF. | 731-   | 8-            |            |
|                                |                           |         | 6     | NON-AI DAUGHTERS  | 28   | 9,226  | 4.3 | 394             |       |        |               |            |
|                                |                           |         | 6     | WITH HERD-MATES   | 28   | 9,226  | 4.3 | 394             | 50    | 11,038 | 454           |            |
|                                |                           |         |       |                   |      |        |     |                 | OIFF. | 1812-  | 60-           |            |
| 107881                         | .....                     |         |       |                   |      |        |     |                 |       |        |               |            |
|                                |                           |         | 8     | NON-AI DAUGHTERS  | 14   | 8,988  | 3.9 | 354             |       |        |               |            |
| STATES- 41                     |                           |         | 8     | WITH HERD-MATES   | 13   | 9,080  | 3.9 | 358             | 6     | 9,264  | 385           |            |
|                                |                           |         |       |                   |      |        |     |                 | OIFF. | 184-   | 27-           |            |
| 107915                         | AUTUMN SUN OF LEE-S HILL  | .....   |       |                   |      |        |     |                 |       |        |               |            |
| 02-23-51                       | 55163                     | 171663  | 257   | AI DAUGHTERS-25*  | 433  | 11,576 | 4.3 | 493             |       |        |               |            |
| AI STUO, 35-05                 | LISTEO, 05-64             |         | 228   | WITH HERD-MATES   | 391  | 11,519 | 4.3 | 491             | 9     | 11,459 | 470           | 11,030 469 |
| STATES- 13,14,21,22,23,31,32,  |                           |         |       |                   |      |        |     |                 | OIFF. | 60     | 21            |            |
| 33,34,35,41,42,48,50,51,52,55, |                           |         | 9     | NON-AI DAUGHTERS  | 25   | 12,379 | 4.4 | 548             |       |        |               |            |
| 63,65                          |                           |         | 4     | WITH HERD-MATES   | 14   | 11,909 | 4.3 | 510             | 6     | 11,884 | 482           |            |
|                                |                           |         |       |                   |      |        |     |                 | OIFF. | 25     | 28            |            |
| 107999                         | ORANGEVILLE ACE           | .....   |       |                   |      |        |     |                 |       |        |               |            |
| 07-23-51                       | 95956                     | 170555  | 55    | AI DAUGHTERS-25*  | 83   | 11,806 | 3.9 | 456             |       |        |               |            |
| AI STUO, 51-02                 | LISTEO, 05-64             |         | 34    | WITH HERD-MATES   | 54   | 11,698 | 3.9 | 454             | 10    | 10,485 | 428           | 11,775 465 |
| STATES- 23,51,52,54,55,63      |                           |         |       |                   |      |        |     |                 | OIFF. | 1213   | 26            |            |
|                                |                           |         | 19    | NON-AI DAUGHTERS  | 61   | 12,877 | 3.9 | 502             |       |        |               |            |
|                                |                           |         | 18    | WITH HERD-MATES   | 53   | 13,078 | 3.9 | 513             | 5     | 11,880 | 491           |            |
|                                |                           |         |       |                   |      |        |     |                 | OIFF. | 1198   | 22            |            |
| 108666                         | LEE-S HILL MILESTONE M    | .....   |       |                   |      |        |     |                 |       |        |               |            |
| 09-04-51                       | 90827                     | 156350  | 10    | NON-AI DAUGHTERS  | 16   | 10,691 | 4.2 | 447             |       |        |               |            |
| STATES- 21,31,34,57            | LISTEO, 08-62             |         | 9     | WITH HERD-MATES   | 14   | 10,973 | 4.1 | 454             | 7     | 12,242 | 498           |            |
|                                |                           |         |       |                   |      |        |     |                 | DIFF. | 1269-  | 44-           |            |

[illegible]



## SIRE OF DHIA DAUGHTERS

| BROWN SWISS                              |     |                  |     |        | AV. PRODUCTION DF DAU. | ADJ. HERO-MATES AV. | PREDICTED AV. |
|--|-----|------------------|-----|--------|------------------------|---------------------|---------------|
|  |     |                  |     |        | RECORDS MILK TEST FAT  | AV. MILK FAT        | MILK FAT      |
|  |     |                  |     |        | NUMBER L8 % L8         | NUMBER L8 L8        | L8 L8         |
| 114123 NORVIC MASTER INFIELDER.....      |     |                  |     |        |                        |                     |               |
| D9-D8-52 106902 175029                   | 424 | AI DAUGHTERS-25* | 577 | 11,834 | 4.2                    | 498                 |               |
| AI STUO, 33-D1 LISTED, D5-64             | 407 | WITH HERD-MATES  | 555 | 11,923 | 4.2                    | 502                 |               |
| STATES- 11,12,13,14,16,21,22,            |     |                  |     |        |                        |                     |               |
| 23,31,32,33,34,35,41,42,43,47,           | 15  | NON-AI DAUGHTERS | 31  | 12,029 | 4.3                    | 521                 |               |
| 51,55,56,58,61,63,64,65,73,74,           | 2   | WITH HERD-MATES  | 4   | 9,834  | 4.5                    | 439                 |               |
| 82,84                                    |     |                  |     |        |                        |                     |               |
|  |     |                  |     |        |                        |                     |               |
| 114126 NORVIC MASTER RULER.....          |     |                  |     |        |                        |                     |               |
| D9-24-52 106902 199D15                   | 14  | NON-AI DAUGHTERS | 29  | 10,784 | 4.2                    | 454                 |               |
| LISTED, D8-62                            | 14  | WITH HERD-MATES  | 29  | 10,784 | 4.2                    | 454                 |               |
| STATES- 35,41,42,63                      |     |                  |     |        |                        |                     |               |
|  |     |                  |     |        |                        |                     |               |
| 114431 ROLANO GOLD.....                  |     |                  |     |        |                        |                     |               |
| D9-D4-52 101940 191942                   | 31  | NON-AI DAUGHTERS | 54  | 12,069 | 4.1                    | 497                 |               |
| LISTED, D8-63                            | 30  | WITH HERD-MATES  | 53  | 12,144 | 4.1                    | 500                 |               |
| STATES- 23,52,55,56                      |     |                  |     |        |                        |                     |               |
|  |     |                  |     |        |                        |                     |               |
| 114784 .....                             |     |                  |     |        |                        |                     |               |
|  | 5   | NON-AI DAUGHTERS | 5   | 10,784 | 4.0                    | 433                 |               |
| STATES- 32                               | 5   | WITH HERD-MATES  | 5   | 10,784 | 4.0                    | 433                 |               |
|  |     |                  |     |        |                        |                     |               |
| 114863 CLAYTONDALE JANE-S MERIDIAN.....  |     |                  |     |        |                        |                     |               |
| D8-28-52 90827 228048                    | 5   | AI DAUGHTERS-D5  |     |        |                        |                     |               |
| AI STUO, 35-D3 LISTED, D5-64             | 4   | WITH HERD-MATES  |     |        |                        |                     |               |
| STATES- 21,23,31,32,35,41                |     |                  |     |        |                        |                     |               |
|  |     |                  |     |        |                        |                     |               |
|  | 8   | NON-AI DAUGHTERS | 24  | 11,146 | 4.2                    | 469                 |               |
|  | 7   | WITH HERD-MATES  | 23  | 10,444 | 4.2                    | 437                 |               |
|  |     |                  |     |        |                        |                     |               |
| 114959 LEE-S HILL KEEPER-S RAMPART.....  |     |                  |     |        |                        |                     |               |
| D9-D8-52 55163 115541                    | 153 | AI DAUGHTERS-25* | 268 | 10,703 | 4.1                    | 443                 |               |
| AI STUO, 23-05 LISTED, D5-64             | 134 | WITH HERD-MATES  | 245 | 10,811 | 4.1                    | 447                 |               |
| STATES- 16,23,31,32,33,34,35,            |     |                  |     |        |                        |                     |               |
| 50,51,54,55,57,84                        | 20  | NON-AI DAUGHTERS | 48  | 11,131 | 4.1                    | 456                 |               |
|  | 14  | WITH HERD-MATES  | 42  | 11,460 | 4.1                    | 471                 |               |
|  |     |                  |     |        |                        |                     |               |
| 115009 YOUNKER HOMESTEAD-S SHAMROCK..... |     |                  |     |        |                        |                     |               |
| D2-26-52 76059 137415                    | 9   | AI DAUGHTERS-D8  | 9   | 12,529 | 4.4                    | 551                 |               |
| AI STUO, 34-D1 LISTED, D5-64             | 8   | WITH HERD-MATES  | 8   | 12,560 | 4.4                    | 550                 |               |
| STATES- 31,32,34,61                      |     |                  |     |        |                        |                     |               |
|  |     |                  |     |        |                        |                     |               |
|  | 18  | NON-AI DAUGHTERS | 44  | 11,776 | 4.4                    | 515                 |               |
|  | 16  | WITH HERD-MATES  | 42  | 11,902 | 4.4                    | 520                 |               |
|  |     |                  |     |        |                        |                     |               |
| 115273 .....                             |     |                  |     |        |                        |                     |               |
|  | 30  | NON-AI DAUGHTERS | 101 | 14,048 | 4.2                    | 591                 |               |
| STATES- 32                               | 30  | WITH HERD-MATES  | 100 | 14,062 | 4.2                    | 592                 |               |
|  |     |                  |     |        |                        |                     |               |
| 115881 LEE-S HILL GENESIS M.....         |     |                  |     |        |                        |                     |               |
| 10-10-52 90827 162710                    | 194 | AI DAUGHTERS-25* | 351 | 10,744 | 4.1                    | 440                 |               |
| AI STUO, 23-D5 LISTED, D5-64             | 167 | WITH HERD-MATES  | 305 | 10,702 | 4.1                    | 439                 |               |
| STATES- 22,23,32,51                      |     |                  |     |        |                        |                     |               |
|  |     |                  |     |        |                        |                     |               |
| 116269 .....                             |     |                  |     |        |                        |                     |               |
|  | 51  | NON-AI DAUGHTERS | 118 | 12,311 | 4.2                    | 515                 |               |
| STATES- 14,16,21,31,33,34,35,            | 44  | WITH HERD-MATES  | 106 | 12,168 | 4.2                    | 505                 |               |
| 41,42,51,84                              |     |                  |     |        |                        |                     |               |
|  |     |                  |     |        |                        |                     |               |
| 116273 LEE-S HILL GIBRALTAR M.....       |     |                  |     |        |                        |                     |               |
| 11-12-52 90827 162715                    | 7   | AI DAUGHTERS-06  | 7   | 10,076 | 4.1                    | 418                 |               |
| AI STUO, 61-D1 LISTED, D5-64             | 6   | WITH HERD-MATES  | 6   | 11,000 | 4.2                    | 459                 |               |
| STATES- 13,21,23,31,33,35,43,            |     |                  |     |        |                        |                     |               |
| 48,51,52,56,84                           | 39  | NON-AI DAUGHTERS | 66  | 10,968 | 4.3                    | 474                 |               |
|  | 39  | WITH HERD-MATES  | 65  | 10,944 | 4.3                    | 473                 |               |
|  |     |                  |     |        |                        |                     |               |
| 116626 SPRING VALLEY BARON.....          |     |                  |     |        |                        |                     |               |
| D9-13-52 110366 169006                   | 17  | NON-AI DAUGHTERS | 39  | 9,483  | 4.3                    | 412                 |               |
| LISTED, D8-62                            | 17  | WITH HERD-MATES  | 38  | 9,463  | 4.3                    | 411                 |               |
| STATES- 33,35                            |     |                  |     |        |                        |                     |               |
|  |     |                  |     |        |                        |                     |               |
| 116678 LEE-S HILL KEEPER-S GENTILE.....  |     |                  |     |        |                        |                     |               |
| 11-14-52 55163 90066                     | 6   | AI DAUGHTERS-D5  | 6   | 9,070  | 4.1                    | 370                 |               |
| AI STUO, 41-25                           | 5   | WITH HERD-MATES  | 5   | 9,102  | 4.1                    | 371                 |               |
| STATES- 41,42                            |     |                  |     |        |                        |                     |               |
|  |     |                  |     |        |                        |                     |               |
|  | 20  | NON-AI DAUGHTERS | 45  | 11,064 | 4.4                    | 492                 |               |
|  | 20  | WITH HERD-MATES  | 45  | 11,064 | 4.4                    | 492                 |               |
|  |     |                  |     |        |                        |                     |               |
| 116729 .....                             |     |                  |     |        |                        |                     |               |
|  | 78  | AI DAUGHTERS-25* | 210 | 12,788 | 4.0                    | 508                 |               |
| AI STUO, 35-D3                           | 73  | WITH HERD-MATES  | 200 | 12,809 | 4.0                    | 508                 |               |
| STATES- 31,33,35,41,42,47,81             |     |                  |     |        |                        |                     |               |
|  |     |                  |     |        |                        |                     |               |
|  | 1   | NON-AI DAUGHTERS | 4   | 13,885 | 3.6                    | 493                 |               |
|  | 1   | WITH HERD-MATES  | 2   | 14,035 | 3.5                    | 497                 |               |
|  |     |                  |     |        |                        |                     |               |
| 116769 ACTIVE ACRES TARZAN.....          |     |                  |     |        |                        |                     |               |
| 07-11-53 101316 113568                   | 116 | AI DAUGHTERS-25* | 120 | 10,992 | 3.9                    | 431                 |               |
| AI STUO, 35-75 LISTED, D3-64             | 83  | WITH HERD-MATES  | 86  | 11,037 | 3.9                    | 430                 |               |
| STATES- 12,21,22,23,32,34,35,            |     |                  |     |        |                        |                     |               |
| 41,42,46,47,48,51,52,55,56,57,           | 21  | NON-AI DAUGHTERS | 52  | 12,856 | 4.0                    | 518                 |               |
| 58,61,64,65,74,84,87,91,92,93            | 19  | WITH HERD-MATES  | 50  | 13,175 | 4.0                    | 531                 |               |
|  |     |                  |     |        |                        |                     |               |
| 117219 BONANZA SENATOR.....              |     |                  |     |        |                        |                     |               |
| 11-15-53 75432 206636                    | 15  | AI DAUGHTERS-10  | 24  | 12,912 | 4.0                    | 520                 |               |
| AI STUO, 41-25 LISTED, D5-64             | 15  | WITH HERD-MATES  | 24  | 12,912 | 4.0                    | 520                 |               |
| STATES- 41,47,48                         |     |                  |     |        |                        |                     |               |
|  |     |                  |     |        |                        |                     |               |
|  | 1   | NON-AI DAUGHTERS | 2   | 8,915  | 3.6                    | 319                 |               |
|  | 1   | WITH HERD-MATES  | 2   | 8,915  | 3.6                    | 319                 |               |
|  |     |                  |     |        |                        |                     |               |

## SIRE OF DHIA DAUGHTERS

| BROWN SWISS   |                                     |    |                  | AV. RECORDS | PRODUCTION OF DAU. |     |     | ADJ. AV. | HERD-MATES MILK | AV. FAT | PREDICTED AV. |     |
|---|-------------------------------------|----|------------------|-------------|--------------------|-----|-----|----------|-----------------|---------|---------------|-----|
|   |                                     |    |                  | NUMBER      | L8                 | %   | L8  | NUMBER   | L8              | L8      | MILK          | FAT |
| 117638  | NORVIC MASTER CLIPPER.....          |    |                  |             |                    |     |     |          |                 |         |               |     |
| D1-17-53  | 106902 132995                       | 89 | AI DAUGHTERS-25* | 103         | 11,146             | 4.2 | 464 |          |                 |         |               |     |
| AI STUD, 42-D2  | LISTED, D5-64                       | 89 | WITH HERD-MATES  | 101         | 11,156             | 4.2 | 465 | 8        | 11,475          | 468     | 10,690        | 446 |
| STATES- 31,35,42,47,56,74,84  |                                     |    |                  |             |                    |     |     | DIFF.    | 319-            | 3-      |               |     |
|   |                                     | 29 | NON-AI DAUGHTERS | 64          | 11,864             | 4.0 | 477 |          |                 |         |               |     |
|   |                                     | 28 | WITH HERD-MATES  | 63          | 11,878             | 4.0 | 479 | 7        | 12,152          | 486     |               |     |
|   |                                     |    |                  |             |                    |     |     | DIFF.    | 274-            | 7-      |               |     |
| 117640  | .....                               |    |                  |             |                    |     |     |          |                 |         |               |     |
|   |                                     | 32 | NON-AI DAUGHTERS | 50          | 11,306             | 4.1 | 468 |          |                 |         |               |     |
|   | LISTED, D1-63                       | 32 | WITH HERD-MATES  | 49          | 11,341             | 4.1 | 470 | 65       | 10,608          | 426     |               |     |
| STATES- 91,92   |                                     |    |                  |             |                    |     |     | DIFF.    | 733             | 44      |               |     |
| 117775  | .....                               |    |                  |             |                    |     |     |          |                 |         |               |     |
|   |                                     | 36 | AI DAUGHTERS-21  | 60          | 9,090              | 4.2 | 382 |          |                 |         |               |     |
| AI STUD, 42-D8  | LISTED, D1-63                       | 34 | WITH HERD-MATES  | 58          | 9,092              | 4.2 | 382 | 9        | 10,727          | 442     | 9,715         | 403 |
| STATES- 42,45   |                                     |    |                  |             |                    |     |     | DIFF.    | 1635-           | 60-     |               |     |
|   |                                     | 5  | NON-AI DAUGHTERS | 11          | 7,862              | 4.1 | 321 |          |                 |         |               |     |
|   |                                     | 3  | WITH HERD-MATES  | 7           | 8,223              | 4.2 | 342 | 6        | 9,404           | 381     |               |     |
|   |                                     |    |                  |             |                    |     |     | DIFF.    | 1181-           | 39-     |               |     |
| 117966  | ARBOR ROSE MAC ECHO.....            |    |                  |             |                    |     |     |          |                 |         |               |     |
| D3-29-53  | 59815 110310                        | 25 | NON-AI DAUGHTERS | 45          | 10,545             | 4.1 | 431 |          |                 |         |               |     |
|   | LISTED, D8-63                       | 25 | WITH HERD-MATES  | 45          | 10,545             | 4.1 | 431 | 73       | 10,691          | 426     |               |     |
| STATES- 92  |                                     |    |                  |             |                    |     |     | DIFF.    | 146-            | 5       |               |     |
| 118041  | .....                               |    |                  |             |                    |     |     |          |                 |         |               |     |
|   |                                     | 6  | NON-AI DAUGHTERS | 8           | 10,982             | 3.9 | 432 |          |                 |         |               |     |
| STATES- 84  |                                     | 6  | WITH HERD-MATES  | 8           | 10,982             | 3.9 | 432 | 9        | 11,772          | 477     |               |     |
|   |                                     |    |                  |             |                    |     |     | DIFF.    | 790-            | 45-     |               |     |
| 118498  | P.V. KEEPER-S WONDER LAO NERO.....  |    |                  |             |                    |     |     |          |                 |         |               |     |
| D1-18-54  | 92785 193486                        | 12 | NON-AI DAUGHTERS | 15          | 12,679             | 3.7 | 470 |          |                 |         |               |     |
|   | LISTED, 11-63                       | 12 | WITH HERD-MATES  | 15          | 12,679             | 3.7 | 470 | 8        | 12,573          | 493     |               |     |
| STATES- 32  |                                     |    |                  |             |                    |     |     | DIFF.    | 106             | 23-     |               |     |
| 118619  | MEADOW VIEW DESTINY.....            |    |                  |             |                    |     |     |          |                 |         |               |     |
| D7-22-53  | 106557 212032                       | 76 | AI DAUGHTERS-25* | 94          | 13,392             | 4.1 | 547 |          |                 |         |               |     |
| AI STUD, 41-25  | LISTED, D5-64                       | 71 | WITH HERD-MATES  | 87          | 13,357             | 4.1 | 544 | 10       | 11,470          | 474     | 12,573        | 509 |
| STATES- 32,33,41,42,45,47,84,92   |                                     |    |                  |             |                    |     |     | DIFF.    | 1887            | 70      |               |     |
|   |                                     | 39 | NON-AI DAUGHTERS | 103         | 15,282             | 3.7 | 571 |          |                 |         |               |     |
|   |                                     | 38 | WITH HERD-MATES  | 101         | 15,413             | 3.8 | 578 | 8        | 12,324          | 481     |               |     |
|   |                                     |    |                  |             |                    |     |     | DIFF.    | 3089            | 97      |               |     |
| 118683  | .....                               |    |                  |             |                    |     |     |          |                 |         |               |     |
|   |                                     | 4  | AI DAUGHTERS-D3  |             |                    |     |     |          |                 |         |               |     |
| AI STUD, 46-D1  |                                     | 4  | WITH HERD-MATES  |             |                    |     |     |          |                 |         |               |     |
| STATES- 42,46   |                                     |    |                  |             |                    |     |     |          |                 |         |               |     |
|   |                                     | 14 | NON-AI DAUGHTERS | 29          | 12,453             | 4.1 | 510 |          |                 |         |               |     |
|   |                                     | 11 | WITH HERD-MATES  | 26          | 12,792             | 4.2 | 532 | 5        | 11,822          | 484     |               |     |
|   |                                     |    |                  |             |                    |     |     | DIFF.    | 970             | 48      |               |     |
| 118783  | BA8E-S SARGEANT.....                |    |                  |             |                    |     |     |          |                 |         |               |     |
| D5-26-53  | 59456 254525                        | 11 | AI DAUGHTERS-10  | 11          | 13,982             | 4.1 | 576 |          |                 |         |               |     |
| AI STUD, 35-75  | LISTED, D3-64                       | 10 | WITH HERD-MATES  | 10          | 13,692             | 4.1 | 568 | 8        | 11,033          | 444     | 12,124        | 503 |
| STATES- 32,35,46,47,55,56,57,91   |                                     |    |                  |             |                    |     |     | DIFF.    | 2659            | 124     |               |     |
|   |                                     | 10 | NON-AI DAUGHTERS | 29          | 10,958             | 4.2 | 455 |          |                 |         |               |     |
|   |                                     | 10 | WITH HERD-MATES  | 28          | 10,797             | 4.2 | 450 | 4        | 10,028          | 417     |               |     |
|   |                                     |    |                  |             |                    |     |     | DIFF.    | 769             | 33      |               |     |
| 118914  | NORVIC MASTER EDITION.....          |    |                  |             |                    |     |     |          |                 |         |               |     |
| D8-29-53  | 106902 226593                       | 8  | AI DAUGHTERS-D7  | 9           | 9,996              | 4.6 | 458 |          |                 |         |               |     |
| AI STUD, 35-D2  | LISTED, D1-63                       | 8  | WITH HERD-MATES  | 9           | 9,996              | 4.6 | 458 | 10       | 10,951          | 445     | 10,541        | 452 |
| STATES- 34,35   |                                     |    |                  |             |                    |     |     | DIFF.    | 955-            | 13      |               |     |
|   |                                     | 21 | NON-AI DAUGHTERS | 59          | 10,983             | 4.4 | 480 |          |                 |         |               |     |
|   |                                     | 21 | WITH HERD-MATES  | 59          | 10,983             | 4.4 | 480 | 9        | 11,837          | 469     |               |     |
|   |                                     |    |                  |             |                    |     |     | DIFF.    | 854-            | 11      |               |     |
| 119443  | .....                               |    |                  |             |                    |     |     |          |                 |         |               |     |
|   |                                     | 12 | NON-AI DAUGHTERS | 28          | 11,941             | 3.9 | 463 |          |                 |         |               |     |
| STATES- 34,63   |                                     | 12 | WITH HERD-MATES  | 28          | 11,941             | 3.9 | 463 | 40       | 11,243          | 451     |               |     |
|   |                                     |    |                  |             |                    |     |     | DIFF.    | 698             | 12      |               |     |
| 119517  | TWIN OAK DEAN.....                  |    |                  |             |                    |     |     |          |                 |         |               |     |
| D8-D9-53  | 101496 186935                       | 40 | NON-AI DAUGHTERS | 69          | 9,695              | 4.0 | 384 |          |                 |         |               |     |
|   | LISTED, D8-63                       | 40 | WITH HERD-MATES  | 69          | 9,695              | 4.0 | 384 | 6        | 10,832          | 444     |               |     |
| STATES- 41,45   |                                     |    |                  |             |                    |     |     | DIFF.    | 1137-           | 60-     |               |     |
| 119608  | .....                               |    |                  |             |                    |     |     |          |                 |         |               |     |
|   |                                     | 14 | NON-AI DAUGHTERS | 28          | 11,137             | 4.3 | 479 |          |                 |         |               |     |
| STATES- 33,45   |                                     | 14 | WITH HERD-MATES  | 28          | 11,137             | 4.3 | 479 | 8        | 11,467          | 475     |               |     |
|   |                                     |    |                  |             |                    |     |     | DIFF.    | 330-            | 4       |               |     |
| 119793  | .....                               |    |                  |             |                    |     |     |          |                 |         |               |     |
|   |                                     | 5  | NON-AI DAUGHTERS | 9           | 9,165              | 4.1 | 372 |          |                 |         |               |     |
| STATES- 31,32,33,64,74  |                                     | 4  | WITH HERD-MATES  | 8           | 10,284             | 4.1 | 419 | 15       | 10,150          | 405     |               |     |
|   |                                     |    |                  |             |                    |     |     | DIFF.    | 134             | 14      |               |     |
| 119824  | NORTH REPELMAR LILL-S RDAMER.....   |    |                  |             |                    |     |     |          |                 |         |               |     |
| D1-30-54  | 106557 159924                       | 22 | NON-AI DAUGHTERS | 42          | 12,154             | 4.3 | 521 |          |                 |         |               |     |
|   | LISTED, D8-62                       | 21 | WITH HERD-MATES  | 39          | 12,003             | 4.3 | 517 | 4        | 12,984          | 552     |               |     |
| STATES- 48  |                                     |    |                  |             |                    |     |     | DIFF.    | 981-            | 35-     |               |     |
| 119863  | REUBEN-S FARM PRIVET-S ROYAL.....   |    |                  |             |                    |     |     |          |                 |         |               |     |
| D6-30-53  | 101158 111505                       | 9  | NON-AI DAUGHTERS | 11          | 9,212              | 4.1 | 378 |          |                 |         |               |     |
|   | LISTED, D3-64                       | 9  | WITH HERD-MATES  | 11          | 9,212              | 4.1 | 378 | 9        | 8,133           | 311     |               |     |
| STATES- 41  |                                     |    |                  |             |                    |     |     | DIFF.    | 1079            | 67      |               |     |
| 120226  | CURTISS CANDY INTREPID FASHION..... |    |                  |             |                    |     |     |          |                 |         |               |     |
| 04-20-54  | 82405 201880                        | 55 | AI DAUGHTERS-25* | 118         | 11,117             | 4.2 | 468 |          |                 |         |               |     |
| AI STUD, 33-03  | LISTED, D8-62                       | 48 | WITH HERD-MATES  | 97          | 11,063             | 4.2 | 461 | 8        | 11,048          | 446     | 10,944        | 459 |
| STATES- 11,12,13,14,16,21,22,23,31,32,33,34,35,41,42,46,51,55,74,82,84,87 |                                     |    |                  |             |                    |     |     | DIFF.    | 15              | 15      |               |     |
|   |                                     | 1  | NON-AI DAUGHTERS | 3           | 10,583             | 4.1 | 430 |          |                 |         |               |     |
|   |                                     | 1  | WITH HERD-MATES  | 3           | 10,583             | 4.1 | 430 | 11       | 10,089          | 416     |               |     |
|   |                                     |    |                  |             |                    |     |     | DIFF.    | 494             | 14      |               |     |

## SIRE OF DHIA DAUGHTERS

|                |   |     |        | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|----------------|---|-----|--------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-------------------|------------|
| BROWN SWISS    |   |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 120249         | ACTIVE ACRES ANN-S TOPPER.....                      |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 04-21-54       | 98892 186347 19 NON-AI DAUGHTERS                    | 32  | 12,138 | 4.2         | 507                   |        |             |                 |                    |            |                   |            |
|                | LISTED, 03-64 19 WITH HERD-MATES                    | 32  | 12,138 | 4.2         | 507                   |        |             | 8               | 11,526             | 483        |                   |            |
| STATES-        | 13,21,22,56   |     |        |             |                       |        |             | DIFF.           | 612                | 24         |                   |            |
| 120448         | BLACKLAND LAIRD PRANCER.....                        |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 05-07-54       | 71151 158927 131 AI DAUGHTERS-25*                   | 201 | 12,824 | 4.1         | 520                   |        |             |                 |                    |            |                   |            |
| AI STUD, 21-01 | LISTED, 05-64 124 WITH HERD-MATES                   | 189 | 12,835 | 4.1         | 521                   |        |             | 13              | 11,869             | 491        | 11,888            | 478        |
| STATES-        | 12,13,14,16,21,22,23, 55                            |     |        |             |                       |        |             | DIFF.           | 966                | 30         |                   |            |
| 120492         | WALHALLA BARON HERALD.....                          |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 04-19-54       | 96437 95744 12 NON-AI DAUGHTERS                     | 16  | 9,620  | 4.0         | 384                   |        |             |                 |                    |            |                   |            |
|                | LISTED, 08-62 12 WITH HERD-MATES                    | 16  | 9,620  | 4.0         | 384                   |        |             | 13              | 10,300             | 418        |                   |            |
| STATES-        | 23,31   |     |        |             |                       |        |             | DIFF.           | 680-               | 34-        |                   |            |
| 120699         | NORVIC MASTER MODELER.....                          |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 09-05-54       | 106902 226590 22 NON-AI DAUGHTERS                   | 54  | 10,651 | 4.4         | 465                   |        |             |                 |                    |            |                   |            |
| AI STUD, 35-05 | LISTED, 05-64 22 WITH HERD-MATES                    | 54  | 10,651 | 4.4         | 465                   |        |             | 5               | 11,683             | 478        |                   |            |
| STATES-        | 35  |     |        |             |                       |        |             | DIFF.           | 1032-              | 13-        |                   |            |
| 120824         | V 8 AMBASSADOR PAUL.....                            |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 02-28-54       | 111844 197948 9 NON-AI DAUGHTERS                    | 9   | 9,841  | 4.1         | 405                   |        |             |                 |                    |            |                   |            |
|                | LISTED, 03-64 8 WITH HERD-MATES                     | 8   | 9,609  | 4.1         | 394                   |        |             | 4               | 10,301             | 426        |                   |            |
| STATES-        | 46  |     |        |             |                       |        |             | DIFF.           | 692-               | 32-        |                   |            |
| 121096         | .....   |     |        |             |                       |        |             |                 |                    |            |                   |            |
|                | 11 NON-AI DAUGHTERS                                 | 21  | 11,917 | 4.2         | 506                   |        |             |                 |                    |            |                   |            |
| STATES-        | 14,21,23 11 WITH HERD-MATES                         | 17  | 11,901 | 4.3         | 507                   |        |             | 22              | 12,519             | 527        |                   |            |
|                |   |     |        |             |                       |        |             | DIFF.           | 618-               | 20-        |                   |            |
| 121213         | NORVIC MASTER EMPEROR.....                          |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 04-26-54       | 106902 213080 27 NON-AI DAUGHTERS                   | 48  | 11,693 | 4.0         | 464                   |        |             |                 |                    |            |                   |            |
|                | LISTED, 08-63 25 WITH HERD-MATES                    | 46  | 11,829 | 4.0         | 469                   |        |             | 9               | 10,621             | 415        |                   |            |
| STATES-        | 33,48,51,74   |     |        |             |                       |        |             | DIFF.           | 1208               | 54         |                   |            |
| 121674         | WELCOME IN INSTRUCTOR.....                          |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 07-03-54       | 78152 175538 8 NON-AI DAUGHTERS                     | 12  | 12,153 | 4.2         | 514                   |        |             |                 |                    |            |                   |            |
|                | LISTED, 08-63 6 WITH HERD-MATES                     | 9   | 12,535 | 4.4         | 546                   |        |             | 10              | 11,660             | 483        |                   |            |
| STATES-        | 33,42   |     |        |             |                       |        |             | DIFF.           | 875                | 63         |                   |            |
| 121816         | WELCOME IN CHARMER.....                             |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 04-04-54       | 76059 212767 86 AI DAUGHTERS-25*                    | 86  | 13,243 | 4.2         | 559                   |        |             |                 |                    |            |                   |            |
| AI STUD, 31-01 | LISTED, 03-64 83 WITH HERD-MATES                    | 83  | 13,419 | 4.2         | 565                   |        |             | 12              | 11,940             | 490        | 12,297            | 516        |
| STATES-        | 21,23,31,32,34,35,42, 45,48,51,56,61,72,74,81,91,96 |     |        |             |                       |        |             | DIFF.           | 1479               | 75         |                   |            |
|                | 13 NON-AI DAUGHTERS                                 | 18  | 13,879 | 4.3         | 592                   |        |             | 13              | 12,108             | 500        |                   |            |
|                | 13 WITH HERD-MATES                                  | 18  | 13,879 | 4.3         | 592                   |        |             | DIFF.           | 1771               | 92         |                   |            |
| 121915         | M. F. LADY-S MAN MEADOW PRINCE.....                 |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 01-14-54       | 94980 150214 8 NON-AI DAUGHTERS                     | 17  | 8,948  | 4.1         | 370                   |        |             |                 |                    |            |                   |            |
|                | LISTED, 08-62 8 WITH HERD-MATES                     | 16  | 9,098  | 4.1         | 376                   |        |             | 6               | 8,773              | 357        |                   |            |
| STATES-        | 23,51   |     |        |             |                       |        |             | DIFF.           | 325                | 19         |                   |            |
| 121957         | NORVIC MASTER POLLYMAN.....                         |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 07-17-54       | 106902 190880 2 AI DAUGHTERS-01                     |     |        |             |                       |        |             |                 |                    |            |                   |            |
| AI STUD, 41-25 | LISTED, 05-64 2 WITH HERD-MATES                     |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES-        | 31,33,35,41,42                                      |     |        |             |                       |        |             |                 |                    |            |                   |            |
|                | 15 NON-AI DAUGHTERS                                 | 34  | 11,597 | 4.1         | 476                   |        |             |                 |                    |            |                   |            |
|                | 15 WITH HERD-MATES                                  | 33  | 11,474 | 4.1         | 471                   |        |             | 10              | 10,649             | 437        |                   |            |
|                |   |     |        |             |                       |        |             | DIFF.           | 825                | 34         |                   |            |
| 122197         | COLONEL MAC DEE.....                                |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 12-20-54       | 109508 254010 20 NON-AI DAUGHTERS                   | 20  | 13,537 | 3.9         | 532                   |        |             |                 |                    |            |                   |            |
|                | LISTED, 03-64 20 WITH HERD-MATES                    | 20  | 13,537 | 3.9         | 532                   |        |             | 7               | 12,252             | 501        |                   |            |
| STATES-        | 92  |     |        |             |                       |        |             | DIFF.           | 1285               | 31         |                   |            |
| 122242         | MISCHKE-S ADVANCER.....                             |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 10-03-54       | 114125 153872 10 AI DAUGHTERS-06                    | 17  | 13,597 | 3.8         | 523                   |        |             |                 |                    |            |                   |            |
| AI STUD, 93-05 | LISTED, 05-64 9 WITH HERD-MATES                     | 13  | 13,926 | 3.8         | 536                   |        |             | 5               | 11,762             | 476        | 11,866            | 473        |
| STATES-        | 81,82   |     |        |             |                       |        |             | DIFF.           | 2164               | 60         |                   |            |
| 122428         | .....   |     |        |             |                       |        |             |                 |                    |            |                   |            |
|                | 3 AI DAUGHTERS-02                                   |     |        |             |                       |        |             |                 |                    |            |                   |            |
| AI STUD, 35-04 | 3 WITH HERD-MATES                                   |     |        |             |                       |        |             |                 |                    |            |                   |            |
| STATES-        | 22,35   |     |        |             |                       |        |             |                 |                    |            |                   |            |
|                | 27 NON-AI DAUGHTERS                                 | 47  | 12,600 | 4.1         | 511                   |        |             |                 |                    |            |                   |            |
|                | 26 WITH HERD-MATES                                  | 46  | 12,797 | 4.0         | 518                   |        |             | 6               | 11,242             | 471        |                   |            |
|                |   |     |        |             |                       |        |             | DIFF.           | 1555               | 47         |                   |            |
| 122548         | WALNUT CREEK GOLDEN SOL.....                        |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 06-18-54       | 102187 197410 16 NON-AI DAUGHTERS                   | 30  | 11,587 | 4.2         | 488                   |        |             |                 |                    |            |                   |            |
| AI STUD, 35-75 | LISTED, 05-64 16 WITH HERD-MATES                    | 30  | 11,587 | 4.2         | 488                   |        |             | 8               | 11,797             | 478        |                   |            |
| STATES-        | 33,74,92  |     |        |             |                       |        |             | DIFF.           | 210-               | 10         |                   |            |
| 122760         | .....   |     |        |             |                       |        |             |                 |                    |            |                   |            |
|                | 5 NON-AI DAUGHTERS                                  | 6   | 8,291  | 4.4         | 367                   |        |             |                 |                    |            |                   |            |
| STATES-        | 21,31 2 WITH HERD-MATES                             | 2   | 9,665  | 4.5         | 434                   |        |             | 5               | 11,189             | 479        |                   |            |
|                |   |     |        |             |                       |        |             | DIFF.           | 1524-              | 45-        |                   |            |
| 122803         | .....   |     |        |             |                       |        |             |                 |                    |            |                   |            |
|                | 5 NON-AI DAUGHTERS                                  | 8   | 11,645 | 4.0         | 461                   |        |             |                 |                    |            |                   |            |
| STATES-        | 42 5 WITH HERD-MATES                                | 8   | 11,645 | 4.0         | 461                   |        |             | 3               | 9,887              | 409        |                   |            |
|                |   |     |        |             |                       |        |             | DIFF.           | 1758               | 52         |                   |            |
| 122826         | .....   |     |        |             |                       |        |             |                 |                    |            |                   |            |
|                | 5 NON-AI DAUGHTERS                                  | 6   | 10,968 | 4.2         | 463                   |        |             |                 |                    |            |                   |            |
| STATES-        | 42,86 5 WITH HERD-MATES                             | 5   | 11,008 | 4.2         | 464                   |        |             | 8               | 10,512             | 434        |                   |            |
|                |   |     |        |             |                       |        |             | DIFF.           | 496                | 30         |                   |            |
| 122960         | TWIN OAK FUTURE-S FELLA.....                        |     |        |             |                       |        |             |                 |                    |            |                   |            |
| 01-24-54       | 94593 186936 8 NON-AI DAUGHTERS                     | 14  | 9,716  | 4.5         | 439                   |        |             |                 |                    |            |                   |            |
|                | LISTED, 08-62 8 WITH HERD-MATES                     | 14  | 9,716  | 4.5         | 439                   |        |             | 9               | 11,462             | 476        |                   |            |
| STATES-        | 41  |     |        |             |                       |        |             | DIFF.           | 1746-              | 37-        |                   |            |



## SIREs OF OHIA DAUGHTERS

## BROWN SWISS

|   |  |  |  | AV. RECORDS | PRODUCTION MILK L8 | OF TEST % | DAU. FAT L8 | ADJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED MILK L8 | AV. FAT L8 |
|---|--|--|--|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-------------------|------------|
| 122962 FORTUNE-S FOREMOST OF TWIN DAK.....            |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 08-01-54 101496 153382 18 NDN-AI DAUGHTERS            |  |  |  | 35          | 10,949             | 4.3       | 473         |                 |                    |            |                   |            |
| AI STUD, 42-02 LISTED, 05-64 18 WITH HERD-MATES       |  |  |  | 35          | 10,949             | 4.3       | 473         | 13              | 10,462             | 437        |                   |            |
| STATES- 35,41,42                                      |  |  |  |             |                    |           |             | DIFF.           | 487                | 36         |                   |            |
| 123124 .....  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 18 NDN-AI DAUGHTERS                                   |  |  |  | 33          | 12,315             | 3.8       | 467         |                 |                    |            |                   |            |
| LISTED, 01-63 17 WITH HERD-MATES                      |  |  |  | 31          | 12,628             | 3.8       | 480         | 13              | 11,820             | 460        |                   |            |
| STATES- 42  |  |  |  |             |                    |           |             | DIFF.           | 808                | 20         |                   |            |
| 123134 SNOW-LAKE 808-S 80ND.....                      |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 11-02-53 107008 114621 14 NDN-AI DAUGHTERS            |  |  |  | 26          | 10,639             | 4.1       | 433         |                 |                    |            |                   |            |
| LISTED, 08-62 14 WITH HERD-MATES                      |  |  |  | 24          | 10,626             | 4.1       | 432         | 11              | 10,506             | 435        |                   |            |
| STATES- 33  |  |  |  |             |                    |           |             | DIFF.           | 120                | 3-         |                   |            |
| 123354 .....  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 8 NDN-AI DAUGHTERS                                    |  |  |  | 9           | 11,695             | 4.3       | 503         |                 |                    |            |                   |            |
| STATES- 13,32 8 WITH HERD-MATES                       |  |  |  | 9           | 11,695             | 4.3       | 503         | 9               | 12,154             | 512        |                   |            |
|   |  |  |  |             |                    |           |             | DIFF.           | 459-               | 9-         |                   |            |
| 124162 CHARMING KING JOSEPH G.....                    |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 04-25-54 70627 262811 8 NDN-AI DAUGHTERS              |  |  |  | 14          | 8,000              | 4.2       | 338         |                 |                    |            |                   |            |
| LISTED, 11-63 7 WITH HERD-MATES                       |  |  |  | 13          | 8,389              | 4.1       | 348         | 12              | 9,477              | 384        |                   |            |
| STATES- 42  |  |  |  |             |                    |           |             | DIFF.           | 1088-              | 36-        |                   |            |
| 124243 JUDD-S BRIDGE JUBILEE.....                     |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 10-04-55 107796 162445 21 NDN-AI DAUGHTERS            |  |  |  | 35          | 8,098              | 4.2       | 339         |                 |                    |            |                   |            |
| LISTED, 08-62 20 WITH HERD-MATES                      |  |  |  | 34          | 8,199              | 4.2       | 343         | 8               | 7,905              | 333        |                   |            |
| STATES- 43,45   |  |  |  |             |                    |           |             | DIFF.           | 294                | 10         |                   |            |
| 124246 WALHALLA JUBE D-LEE.....                       |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 02-23-55 116907 208716 23 NDN-AI DAUGHTERS            |  |  |  | 34          | 7,924              | 3.9       | 312         |                 |                    |            |                   |            |
| LISTED, 08-63 21 WITH HERD-MATES                      |  |  |  | 32          | 8,517              | 3.9       | 336         | 15              | 10,689             | 414        |                   |            |
| STATES- 21  |  |  |  |             |                    |           |             | DIFF.           | 2172-              | 78-        |                   |            |
| 124306 LEVELCREST ROYAL INTREPID.....                 |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 04-16-55 82405 201880 18 NDN-AI DAUGHTERS             |  |  |  | 34          | 9,282              | 4.1       | 378         |                 |                    |            |                   |            |
| LISTED, 01-63 18 WITH HERD-MATES                      |  |  |  | 34          | 9,282              | 4.1       | 378         | 7               | 9,837              | 407        |                   |            |
| STATES- 42,74   |  |  |  |             |                    |           |             | DIFF.           | 555-               | 29-        |                   |            |
| 124328 LEE-S HILL KILLARNEY A.....                    |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 09-20-54 110580 228051 11 NDN-AI DAUGHTERS            |  |  |  | 16          | 9,882              | 4.3       | 424         |                 |                    |            |                   |            |
| LISTED, 08-63 10 WITH HERD-MATES                      |  |  |  | 14          | 10,253             | 4.3       | 437         | 9               | 10,810             | 454        |                   |            |
| STATES- 21,22,45,56                                   |  |  |  |             |                    |           |             | DIFF.           | 557-               | 17-        |                   |            |
| 124329 .....  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 36 NDN-AI DAUGHTERS                                   |  |  |  | 89          | 11,817             | 4.4       | 519         |                 |                    |            |                   |            |
| STATES- 21,23,31,41,51 36 WITH HERD-MATES             |  |  |  | 88          | 11,817             | 4.4       | 519         | 13              | 13,062             | 550        |                   |            |
|   |  |  |  |             |                    |           |             | DIFF.           | 1245-              | 31-        |                   |            |
| 124396 V 8 RDAMER PAVANNE.....                        |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 10-16-55 119848 250654 31 AI DAUGHTERS-12             |  |  |  | 59          | 11,401             | 4.0       | 451         |                 |                    |            |                   |            |
| AI STUD, 61-01 LISTED, 05-64 27 WITH HERD-MATES       |  |  |  | 53          | 12,138             | 4.0       | 481         | 9               | 11,752             | 474        | 11,246            | 454        |
| STATES- 61  |  |  |  |             |                    |           |             | DIFF.           | 386                | 7          |                   |            |
| 124403 NORVIC MASTER ELVIN.....                       |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 03-14-55 106902 226583 15 NDN-AI DAUGHTERS            |  |  |  | 32          | 10,317             | 3.7       | 386         |                 |                    |            |                   |            |
| LISTED, 08-62 15 WITH HERD-MATES                      |  |  |  | 32          | 10,317             | 3.7       | 386         | 8               | 9,450              | 365        |                   |            |
| STATES- 42,48   |  |  |  |             |                    |           |             | DIFF.           | 867                | 21         |                   |            |
| 124434 BECKER-S IRIS TRUSTEE TDM.....                 |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 12-09-55 62230 239448 12 NDN-AI DAUGHTERS             |  |  |  | 14          | 12,957             | 3.6       | 466         |                 |                    |            |                   |            |
| LISTED, 03-64 12 WITH HERD-MATES                      |  |  |  | 14          | 12,957             | 3.6       | 466         | 8               | 11,678             | 445        |                   |            |
| STATES- 33,48,65                                      |  |  |  |             |                    |           |             | DIFF.           | 1279               | 21         |                   |            |
| 124476 .....  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 5 NDN-AI DAUGHTERS                                    |  |  |  | 10          | 12,240             | 4.4       | 537         |                 |                    |            |                   |            |
| STATES- 21,31,34 5 WITH HERD-MATES                    |  |  |  | 10          | 12,240             | 4.4       | 537         | 12              | 12,348             | 532        |                   |            |
|   |  |  |  |             |                    |           |             | DIFF.           | 108-               | 5          |                   |            |
| 124528 PAY EVERYTHING OF FENLEA.....                  |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 10-17-55 119311 258574 13 NDN-AI DAUGHTERS            |  |  |  | 14          | 11,673             | 4.1       | 477         |                 |                    |            |                   |            |
| LISTED, 05-64 10 WITH HERD-MATES                      |  |  |  | 11          | 11,034             | 4.1       | 457         | 9               | 10,640             | 453        |                   |            |
| STATES- 41,47   |  |  |  |             |                    |           |             | DIFF.           | 394                | 4          |                   |            |
| 124652 WELCOME IN SUPREME.....                        |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 02-11-55 116273 220062 7 NDN-AI DAUGHTERS             |  |  |  | 8           | 16,944             | 4.4       | 739         |                 |                    |            |                   |            |
| AI STUD, 33-03 LISTED, 05-64 7 WITH HERD-MATES        |  |  |  | 8           | 16,944             | 4.4       | 739         | 15              | 13,685             | 561        |                   |            |
| STATES- 31,32,33,35,51                                |  |  |  |             |                    |           |             | DIFF.           | 3259               | 178        |                   |            |
| 124697 ROXANA GENUINE JESTER.....                     |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 02-21-55 109851 97915 44 AI DAUGHTERS-25*             |  |  |  | 61          | 10,245             | 4.1       | 420         |                 |                    |            |                   |            |
| AI STUD, 33-03 LISTED, 08-63 41 WITH HERD-MATES       |  |  |  | 57          | 10,455             | 4.1       | 429         | 8               | 11,604             | 475        | 10,090            | 414        |
| STATES- 11,13,22,23,31,32,34, 35,41,42,47,56,57,82,84 |  |  |  |             |                    |           |             | DIFF.           | 1149-              | 46-        |                   |            |
| 124788 SUNSET VIEW PRINCE RAINIER.....                |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 07-11-55 116259 251324 48 AI DAUGHTERS-21             |  |  |  | 65          | 12,929             | 4.1       | 527         |                 |                    |            |                   |            |
| AI STUD, 35-04 LISTED, 05-64 48 WITH HERD-MATES       |  |  |  | 65          | 12,929             | 4.1       | 527         | 11              | 12,347             | 507        | 11,501            | 468        |
| STATES- 14,23,34,35,41,42,74, 84                      |  |  |  |             |                    |           |             | DIFF.           | 582                | 20         |                   |            |
| 3 NDN-AI DAUGHTERS                                    |  |  |  | 7           | 13,403             | 4.2       | 565         |                 |                    |            |                   |            |
| 3 WITH HERD-MATES                                     |  |  |  | 7           | 13,403             | 4.2       | 565         | 12              | 12,171             | 505        |                   |            |
|   |  |  |  |             |                    |           |             | DIFF.           | 1232               | 60         |                   |            |
| 124907 HARRY-S ROYAL OF TWIN GATE.....                |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 01-15-56 76059 204530 15 NDN-AI DAUGHTERS             |  |  |  | 30          | 11,294             | 4.2       | 476         |                 |                    |            |                   |            |
| LISTED, 08-63 15 WITH HERD-MATES                      |  |  |  | 30          | 11,294             | 4.2       | 476         | 10              | 10,416             | 442        |                   |            |
| STATES- 34  |  |  |  |             |                    |           |             | DIFF.           | 878                | 34         |                   |            |
| 125021 LA RAINBOW GINGER 80Y.....                     |  |  |  |             |                    |           |             |                 |                    |            |                   |            |
| 04-21-55 115152 269394 32 AI DAUGHTERS-16             |  |  |  | 50          | 9,623              | 4.0       | 385         |                 |                    |            |                   |            |
| AI STUD, 35-03 LISTED, 05-64 32 WITH HERD-MATES       |  |  |  | 50          | 9,623              | 4.0       | 385         | 10              | 10,441             | 420        | 10,298            | 420        |
| STATES- 31,32,33,35,63                                |  |  |  |             |                    |           |             | DIFF.           | 818-               | 35-        |                   |            |
| 1 NON-AI DAUGHTERS                                    |  |  |  | 3           | 8,747              | 4.4       | 387         |                 |                    |            |                   |            |
| 1 WITH HERD-MATES                                     |  |  |  | 3           | 8,747              | 4.4       | 387         | 6               | 12,628             | 541        |                   |            |
|   |  |  |  |             |                    |           |             | DIFF.           | 3881-              | 154-       |                   |            |

## SIREs OF DHIA DAUGHTERS

| BROWN SWISS |                                |    |                  | AV. PRODUCTION OF | DAU.   | ADJ. HERD-MATES | AV.  | PREDICTED | AV.    |
|-------------|--------------------------------|----|------------------|-------------------|--------|-----------------|------|-----------|--------|
|             |                                |    |                  | RECORDS           | FAT    | AV.             | MILK | MILK      | FAT    |
|             |                                |    |                  | NUMBER            | L8     | NUMBER          | L8   | L8        | L8     |
|             |                                |    |                  |                   | %      |                 |      |           |        |
| 125054      | AVDN VIEW DARLENE APDLLD.....  |    |                  |                   |        |                 |      |           |        |
| 02-20-56    | 116269 216945                  | 20 | NON-AI DAUGHTERS | 25                | 10,364 | 4.2             | 437  |           |        |
|             | LISTED, 03-64                  | 20 | WITH HERD-MATES  | 25                | 10,364 | 4.2             | 437  |           |        |
| STATES-     | 34,35                          |    |                  |                   |        |                 |      | 9         | 10,210 |
|             |                                |    |                  |                   |        |                 |      | DIFF.     | 154    |
|             |                                |    |                  |                   |        |                 |      |           | 420    |
|             |                                |    |                  |                   |        |                 |      |           | 17     |
| 125185      | .....                          |    |                  |                   |        |                 |      |           |        |
|             |                                | 5  | NDN-AI DAUGHTERS | 8                 | 11,004 | 3.9             | 427  |           |        |
| STATES-     | 35,46,51                       | 5  | WITH HERD-MATES  | 8                 | 11,004 | 3.9             | 427  | 18        | 10,913 |
|             |                                |    |                  |                   |        |                 |      | DIFF.     | 91     |
|             |                                |    |                  |                   |        |                 |      |           | 437    |
|             |                                |    |                  |                   |        |                 |      |           | 10-    |
| 125220      | HAWTHORNE IDEAL SUCCESSOR..... |    |                  |                   |        |                 |      |           |        |
| 10-21-55    | 105449 207194                  | 1  | AI DAUGHTERS-01  |                   |        |                 |      |           |        |
| AI STUD,    | 46-01 LISTED, 08-62            | 1  | WITH HERD-MATES  |                   |        |                 |      |           |        |
| STATES-     | 45                             |    |                  |                   |        |                 |      |           |        |
|             |                                | 7  | NDN-AI DAUGHTERS | 11                | 9,869  | 4.2             | 416  |           |        |
|             |                                | 7  | WITH HERD-MATES  | 11                | 9,869  | 4.2             | 416  | 5         | 9,744  |
|             |                                |    |                  |                   |        |                 |      | DIFF.     | 125    |
|             |                                |    |                  |                   |        |                 |      |           | 396    |
|             |                                |    |                  |                   |        |                 |      |           | 20     |
| 125221      | .....                          |    |                  |                   |        |                 |      |           |        |
|             |                                | 5  | NDN-AI DAUGHTERS | 5                 | 9,554  | 4.3             | 408  |           |        |
| STATES-     | 23                             | 5  | WITH HERD-MATES  | 5                 | 9,554  | 4.3             | 408  | 13        | 11,153 |
|             |                                |    |                  |                   |        |                 |      | DIFF.     | 1599-  |
|             |                                |    |                  |                   |        |                 |      |           | 450    |
|             |                                |    |                  |                   |        |                 |      |           | 42-    |
| 125283      | HARRIET-S ROYAL APDLLD.....    |    |                  |                   |        |                 |      |           |        |
| 03-04-56    | 116269 286712                  | 14 | NDN-AI DAUGHTERS | 28                | 11,551 | 4.5             | 517  |           |        |
| AI STUD,    | 34-01 LISTED, 05-64            | 14 | WITH HERD-MATES  | 28                | 11,551 | 4.5             | 517  | 5         | 13,098 |
| STATES-     | 34                             |    |                  |                   |        |                 |      | DIFF.     | 1547-  |
|             |                                |    |                  |                   |        |                 |      |           | 567    |
|             |                                |    |                  |                   |        |                 |      |           | 50-    |
| 125472      | MEADOW VIEW JARED C.....       |    |                  |                   |        |                 |      |           |        |
| 10-27-55    | 106157 224725                  | 16 | NDN-AI DAUGHTERS | 40                | 13,952 | 4.4             | 612  |           |        |
| AI STUD,    | 35-75 LISTED, 05-64            | 16 | WITH HERD-MATES  | 34                | 13,870 | 4.4             | 608  | 4         | 11,929 |
| STATES-     | 42,47,84                       |    |                  |                   |        |                 |      | DIFF.     | 1941   |
|             |                                |    |                  |                   |        |                 |      |           | 507    |
|             |                                |    |                  |                   |        |                 |      |           | 101    |
| 125473      | MEADOW VIEW SIR LANCE.....     |    |                  |                   |        |                 |      |           |        |
| 01-20-56    | 106157 206636                  | 10 | NDN-AI DAUGHTERS | 18                | 12,656 | 3.9             | 499  |           |        |
|             | LISTED, 08-63                  | 10 | WITH HERD-MATES  | 18                | 12,656 | 3.9             | 499  | 9         | 12,745 |
| STATES-     | 35,42                          |    |                  |                   |        |                 |      | DIFF.     | 89-    |
|             |                                |    |                  |                   |        |                 |      |           | 513    |
|             |                                |    |                  |                   |        |                 |      |           | 14-    |
| 125507      | .....                          |    |                  |                   |        |                 |      |           |        |
|             |                                | 5  | NDN-AI DAUGHTERS | 7                 | 13,370 | 4.1             | 549  |           |        |
| STATES-     | 23,31                          | 5  | WITH HERD-MATES  | 7                 | 13,370 | 4.1             | 549  | 4         | 11,292 |
|             |                                |    |                  |                   |        |                 |      | DIFF.     | 2078   |
|             |                                |    |                  |                   |        |                 |      |           | 469    |
|             |                                |    |                  |                   |        |                 |      |           | 80     |
| 125539      | MEMORY LANE-S ENVY.....        |    |                  |                   |        |                 |      |           |        |
| 02-19-56    | 93771 253792                   | 53 | AI DAUGHTERS-25* | 80                | 11,437 | 4.1             | 465  |           |        |
| AI STUD,    | 21-01 LISTED, 05-64            | 52 | WITH HERD-MATES  | 77                | 11,546 | 4.1             | 469  | 11        | 11,365 |
| STATES-     | 12,13,14,16,21,51              |    |                  |                   |        |                 |      | DIFF.     | 181    |
|             |                                |    |                  |                   |        |                 |      |           | 466    |
|             |                                |    |                  |                   |        |                 |      |           | 3      |
| 125640      | WAVENEY-S LADDIE G.....        |    |                  |                   |        |                 |      |           |        |
| 02-04-56    | 91609 210953                   | 7  | AI DAUGHTERS-07  | 7                 | 15,729 | 4.2             | 667  |           |        |
| AI STUD,    | 16-04 LISTED, 05-64            | 7  | WITH HERD-MATES  | 7                 | 15,729 | 4.2             | 667  | 11        | 11,688 |
| STATES-     | 13,14,16,21,22,50              |    |                  |                   |        |                 |      | DIFF.     | 4041   |
|             |                                |    |                  |                   |        |                 |      |           | 481    |
|             |                                |    |                  |                   |        |                 |      |           | 186    |
|             |                                | 12 | NDN-AI DAUGHTERS | 23                | 12,155 | 4.3             | 520  | 10        | 11,298 |
|             |                                | 12 | WITH HERD-MATES  | 23                | 12,155 | 4.3             | 520  | DIFF.     | 857    |
|             |                                |    |                  |                   |        |                 |      |           | 467    |
|             |                                |    |                  |                   |        |                 |      |           | 53     |
| 125678      | OLD HDME KAYAK-S NAPDLEDN..... |    |                  |                   |        |                 |      |           |        |
| 11-05-55    | 99252 278894                   | 16 | NDN-AI DAUGHTERS | 23                | 12,958 | 4.2             | 544  |           |        |
|             | LISTED, 08-63                  | 16 | WITH HERD-MATES  | 23                | 12,958 | 4.2             | 544  | 3         | 12,193 |
| STATES-     | 31                             |    |                  |                   |        |                 |      | DIFF.     | 765    |
|             |                                |    |                  |                   |        |                 |      |           | 509    |
|             |                                |    |                  |                   |        |                 |      |           | 35     |
| 125814      | SULTAN-S SUSANNE-S REX.....    |    |                  |                   |        |                 |      |           |        |
| 05-17-56    | 116101 159454                  | 10 | NDN-AI DAUGHTERS | 12                | 10,520 | 3.9             | 406  |           |        |
|             | LISTED, 03-64                  | 10 | WITH HERD-MATES  | 12                | 10,520 | 3.9             | 406  | 6         | 11,279 |
| STATES-     | 91                             |    |                  |                   |        |                 |      | DIFF.     | 759-   |
|             |                                |    |                  |                   |        |                 |      |           | 448    |
|             |                                |    |                  |                   |        |                 |      |           | 42-    |
| 125855      | SLEEPY VALLEY ELODRADD G.....  |    |                  |                   |        |                 |      |           |        |
| 04-20-56    | 116273 266610                  | 14 | NDN-AI DAUGHTERS | 22                | 8,822  | 4.3             | 380  |           |        |
|             | LISTED, 08-62                  | 13 | WITH HERD-MATES  | 21                | 8,795  | 4.3             | 380  | 40        | 11,825 |
| STATES-     | 13                             |    |                  |                   |        |                 |      | DIFF.     | 3030-  |
|             |                                |    |                  |                   |        |                 |      |           | 490    |
|             |                                |    |                  |                   |        |                 |      |           | 110-   |
| 126010      | TEXAS DZARK D.....             |    |                  |                   |        |                 |      |           |        |
| 03-05-56    | 112216 152998                  | 22 | NDN-AI DAUGHTERS | 38                | 12,872 | 3.7             | 477  |           |        |
|             | LISTED, 08-63                  | 21 | WITH HERD-MATES  | 36                | 12,860 | 3.7             | 478  | 19        | 11,601 |
| STATES-     | 72,74                          |    |                  |                   |        |                 |      | DIFF.     | 1259   |
|             |                                |    |                  |                   |        |                 |      |           | 434    |
|             |                                |    |                  |                   |        |                 |      |           | 44     |
| 126061      | MAPLEWDDO-S WHIRLAWAY.....     |    |                  |                   |        |                 |      |           |        |
| 03-02-56    | 117437 181071                  | 12 | NDN-AI DAUGHTERS | 21                | 12,812 | 4.0             | 517  |           |        |
|             | LISTED, 01-63                  | 12 | WITH HERD-MATES  | 21                | 12,812 | 4.0             | 517  | 7         | 10,653 |
| STATES-     | 33                             |    |                  |                   |        |                 |      | DIFF.     | 2159   |
|             |                                |    |                  |                   |        |                 |      |           | 423    |
|             |                                |    |                  |                   |        |                 |      |           | 94     |
| 126083      | .....                          |    |                  |                   |        |                 |      |           |        |
|             |                                | 26 | NDN-AI DAUGHTERS | 52                | 13,358 | 3.9             | 517  |           |        |
|             | LISTED, 01-63                  | 26 | WITH HERD-MATES  | 52                | 13,358 | 3.9             | 517  | 9         | 12,794 |
| STATES-     | 41                             |    |                  |                   |        |                 |      | DIFF.     | 564    |
|             |                                |    |                  |                   |        |                 |      |           | 488    |
|             |                                |    |                  |                   |        |                 |      |           | 29     |
| 126140      | BLACKLAND DOUBLE LAIRD.....    |    |                  |                   |        |                 |      |           |        |
| 12-13-55    | 71151 236263                   | 12 | NDN-AI DAUGHTERS | 23                | 10,745 | 3.9             | 423  |           |        |
|             | LISTED, 08-62                  | 12 | WITH HERD-MATES  | 23                | 10,745 | 3.9             | 423  | 10        | 10,252 |
| STATES-     | 33                             |    |                  |                   |        |                 |      | DIFF.     | 493    |
|             |                                |    |                  |                   |        |                 |      |           | 407    |
|             |                                |    |                  |                   |        |                 |      |           | 16     |
| 126143      | HILLWINDS VALIANT MASTER.....  |    |                  |                   |        |                 |      |           |        |
| 07-10-56    | 106902 276401                  | 29 | AI DAUGHTERS-17  | 40                | 9,565  | 4.2             | 400  |           |        |
| AI STUD,    | 35-03 LISTED, 05-64            | 29 | WITH HERD-MATES  | 39                | 9,608  | 4.2             | 403  | 12        | 10,750 |
| STATES-     | 31,33,35,42,45,51,96           |    |                  |                   |        |                 |      | DIFF.     | 1142-  |
|             |                                |    |                  |                   |        |                 |      |           | 433    |
|             |                                |    |                  |                   |        |                 |      |           | 30-    |
| 126162      | C-LANE JANET-S DAN.....        |    |                  |                   |        |                 |      |           |        |
| 09-26-54    | 92282 141710                   | 18 | AI DAUGHTERS-13  | 26                | 10,444 | 4.3             | 446  |           |        |
| AI STUD,    | 48-01 LISTED, 08-63            | 17 | WITH HERD-MATES  | 25                | 10,763 | 4.3             | 459  | 9         | 10,630 |
| STATES-     | 32,48,73                       |    |                  |                   |        |                 |      | DIFF.     | 133    |
|             |                                |    |                  |                   |        |                 |      |           | 438    |
|             |                                |    |                  |                   |        |                 |      |           | 21     |
|             |                                | 5  | NDN-AI DAUGHTERS | 10                | 12,214 | 4.1             | 500  | 1         | 9,236  |
|             |                                | 5  | WITH HERD-MATES  | 6                 | 12,409 | 4.1             | 512  | DIFF.     | 3173   |
|             |                                |    |                  |                   |        |                 |      |           | 381    |
|             |                                |    |                  |                   |        |                 |      |           | 131    |

## SIREs OF DHIA DAUGHTERS

| BROWN SWISS    |                                      |    |                  | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | PREDICTED AV. |
|----------------|--------------------------------------|----|------------------|------------------------|---------------------|---------------|
|                |                                      |    |                  | RECORDS MILK TEST FAT  | AV. MILK L8         | MILK FAT      |
|                |                                      |    |                  | NUMBER L8 % L8         | NUMBER L8           | L8 L8         |
| 126363         | 8USH-S DEAN S.....                   |    |                  |                        |                     |               |
| 10-02-55       | 115009 200405                        | 11 | NON-AI DAUGHTERS | 16 11,621 4.1 478      |                     |               |
|                | LISTED, 03-64                        | 10 | WITH HERD-MATES  | 15 11,993 4.1 493      | 5 11,557 466        |               |
| STATES-        | 34                                   |    |                  |                        | DIFF. 436           | 27            |
| 126555         | V. 8. COUNT ROULETTE.....            |    |                  |                        |                     |               |
| 01-07-56       | 116500 161698                        | 28 | NON-AI DAUGHTERS | 52 13,196 3.8 508      |                     |               |
| AI STUD, 35-75 | LISTED, 05-64                        | 28 | WITH HERD-MATES  | 52 13,196 3.8 508      | 12 12,164 476       |               |
| STATES-        | 35                                   |    |                  |                        | DIFF. 1032          | 32            |
| 126599         | LEE-S HILL COUNTRY SQUIRE R.....     |    |                  |                        |                     |               |
| 09-24-55       | 80792 144299                         | 14 | NON-AI DAUGHTERS | 21 11,626 4.1 482      |                     |               |
|                | LISTED, 11-63                        | 14 | WITH HERD-MATES  | 21 11,626 4.1 482      | 10 11,448 450       |               |
| STATES-        | 32,33,34,35,51,61,63                 |    |                  |                        | DIFF. 178           | 32            |
| 126931         | LEE-S HILL KHEDIVE J.....            |    |                  |                        |                     |               |
| 09-20-56       | 122787 228051                        | 5  | AI DAUGHTERS-04  |                        |                     |               |
| AI STUD, 42-02 | LISTED, 05-64                        | 4  | WITH HERD-MATES  |                        |                     |               |
| STATES-        | 33,35,42                             |    |                  |                        |                     |               |
|                |                                      | 5  | NON-AI DAUGHTERS | 6 11,112 4.2 467       |                     |               |
|                |                                      | 5  | WITH HERD-MATES  | 6 11,112 4.2 467       | 8 11,069 449        |               |
|                |                                      |    |                  |                        | DIFF. 43            | 18            |
| 127139         | OZARK ADELI D.....                   |    |                  |                        |                     |               |
| 05-12-56       | 112216 208877                        | 11 | NON-AI DAUGHTERS | 19 11,526 4.1 470      |                     |               |
|                | LISTED, 01-63                        | 11 | WITH HERD-MATES  | 19 11,526 4.1 470      | 7 11,753 484        |               |
| STATES-        | 41,47                                |    |                  |                        | DIFF. 227-          | 14-           |
| 127325         | OSTVAL-S NA808-S ANTHONY.....        |    |                  |                        |                     |               |
| 07-12-56       | 102073 174137                        | 9  | NON-AI DAUGHTERS | 9 12,238 3.9 477       |                     |               |
|                | LISTED, 03-64                        | 9  | WITH HERD-MATES  | 9 12,238 3.9 477       | 5 10,579 402        |               |
| STATES-        | 35,41                                |    |                  |                        | DIFF. 1659          | 75            |
| 127455         | ROSE MARY-S KEEPER.....              |    |                  |                        |                     |               |
| 01-06-56       | 96076 197678                         | 11 | NON-AI DAUGHTERS | 11 8,830 3.6 319       |                     |               |
|                | LISTED, 03-64                        | 10 | WITH HERD-MATES  | 10 8,827 3.6 320       | 4 9,335 379         |               |
| STATES-        | 41                                   |    |                  |                        | DIFF. 508-          | 59-           |
| 127457         | .....                                |    |                  |                        |                     |               |
|                |                                      | 5  | NON-AI DAUGHTERS | 6 8,815 4.1 365        |                     |               |
| STATES-        | 31                                   | 5  | WITH HERD-MATES  | 6 8,815 4.1 365        | 3 10,483 443        |               |
|                |                                      |    |                  |                        | DIFF. 1668-         | 78-           |
| 127469         | R.Y. IMPERIAL PRINCE G.....          |    |                  |                        |                     |               |
| 11-08-56       | 111934 279141                        | 11 | NON-AI DAUGHTERS | 11 13,913 4.1 575      |                     |               |
|                | LISTED, 11-63                        | 11 | WITH HERD-MATES  | 11 13,913 4.1 575      | 6 12,492 505        |               |
| STATES-        | 31                                   |    |                  |                        | DIFF. 1421          | 70            |
| 127492         | PENSTATE KEEPER-S MOLLIE LADDIE..... |    |                  |                        |                     |               |
| 07-10-56       | 86137 167245                         | 8  | AI DAUGHTERS-06  | 11 11,789 4.0 466      |                     |               |
| AI STUD, 23-07 | LISTED, 03-64                        | 5  | WITH HERD-MATES  | 7 11,984 4.1 491       | 5 11,565 484        | 11,062 450    |
| STATES-        | 23                                   |    |                  |                        | DIFF. 419           | 7             |
| 127687         | .....                                |    |                  |                        |                     |               |
|                |                                      | 8  | NON-AI DAUGHTERS | 9 9,939 4.2 415        |                     |               |
| STATES-        | 41,42,47                             | 7  | WITH HERD-MATES  | 8 10,173 4.2 425       | 7 10,250 407        |               |
|                |                                      |    |                  |                        | DIFF. 77-           | 18            |
| 127720         | .....                                |    |                  |                        |                     |               |
|                |                                      | 5  | NON-AI DAUGHTERS | 5 11,724 4.3 506       |                     |               |
| STATES-        | 31                                   | 5  | WITH HERD-MATES  | 5 11,724 4.3 506       | 13 11,703 471       |               |
|                |                                      |    |                  |                        | DIFF. 21            | 35            |
| 127853         | NORVIC MASTER INMAN.....             |    |                  |                        |                     |               |
| 09-10-56       | 106902 175029                        | 10 | AI DAUGHTERS-06  | 10 10,824 4.0 433      |                     |               |
| AI STUD, 48-01 | LISTED, 05-64                        | 9  | WITH HERD-MATES  | 9 10,839 4.0 434       | 8 9,755 383         | 11,328 466    |
| STATES-        | 48                                   |    |                  |                        | DIFF. 1084          | 51            |
|                |                                      | 7  | NON-AI DAUGHTERS | 10 9,968 4.0 399       |                     |               |
|                |                                      | 5  | WITH HERD-MATES  | 5 11,758 4.0 467       | 7 11,316 446        |               |
|                |                                      |    |                  |                        | DIFF. 442           | 21            |
| 128015         | AR80R ROSE GIL PUGET.....            |    |                  |                        |                     |               |
| 02-03-56       | 117354 149777                        | 13 | NON-AI DAUGHTERS | 16 12,016 4.1 498      |                     |               |
|                | LISTED, 11-63                        | 9  | WITH HERD-MATES  | 12 12,559 4.2 533      | 3 12,445 549        |               |
| STATES-        | 91                                   |    |                  |                        | DIFF. 114           | 16-           |
| 128017         | .....                                |    |                  |                        |                     |               |
|                |                                      | 8  | NON-AI DAUGHTERS | 10 11,182 4.0 444      |                     |               |
| STATES-        | 91                                   | 8  | WITH HERD-MATES  | 10 11,182 4.0 444      | 10 12,486 506       |               |
|                |                                      |    |                  |                        | DIFF. 1304-         | 62-           |
| 128037         | HYCREST STERLING SQUIRE.....         |    |                  |                        |                     |               |
| 08-28-56       | 107506 134051                        | 30 | NON-AI DAUGHTERS | 35 13,411 3.9 528      |                     |               |
|                | LISTED, 03-64                        | 28 | WITH HERD-MATES  | 33 13,730 3.9 540      | 8 13,470 530        |               |
| STATES-        | 31,32                                |    |                  |                        | DIFF. 260           | 10            |
| 128158         | CEDARHURST-S CARL-S TIM.....         |    |                  |                        |                     |               |
| 04-22-56       | 118007 245450                        | 10 | NON-AI DAUGHTERS | 14 8,771 4.1 359       |                     |               |
|                | LISTED, 11-63                        | 10 | WITH HERD-MATES  | 14 8,771 4.1 359       | 6 9,796 390         |               |
| STATES-        | 35                                   |    |                  |                        | DIFF. 1025-         | 31-           |
| 128215         | W. 8. BEAU PRINCE.....               |    |                  |                        |                     |               |
| 08-22-56       | 116269 233420                        | 9  | NON-AI DAUGHTERS | 11 10,644 4.2 443      |                     |               |
|                | LISTED, 11-63                        | 8  | WITH HERD-MATES  | 10 10,720 4.2 451      | 22 11,203 457       |               |
| STATES-        | 52                                   |    |                  |                        | DIFF. 483-          | 6-            |
| 128250         | NORVIC REGAL MAESTRO.....            |    |                  |                        |                     |               |
| 10-06-56       | 117228 299756                        | 28 | NON-AI DAUGHTERS | 34 10,821 4.3 464      |                     |               |
|                | LISTED, 03-64                        | 27 | WITH HERD-MATES  | 33 10,802 4.3 466      | 31 11,437 475       |               |
| STATES-        | 13,21,35,42,51,52,56                 |    |                  |                        | DIFF. 635-          | 9-            |
| 128271         | KILRAVOCK-S VISCOUNT.....            |    |                  |                        |                     |               |
| 12-03-56       | 48946 220047                         | 8  | NON-AI DAUGHTERS | 10 13,197 4.1 542      |                     |               |
|                | LISTED, 11-63                        | 8  | WITH HERD-MATES  | 10 13,197 4.1 542      | 11 13,525 556       |               |
| STATES-        | 14,16,22,96                          |    |                  |                        | DIFF. 328-          | 14-           |



## SIREN OF DHIA DAUGHTERS

## BROWN SWISS

|                |                                   |        |    | AV. RECORDS      | PRODUCTION OF MILK | TEST   | DAU. FAT | ADJ. AV. MILK | HERD-MATES MILK | AV. FAT | PREDICTED AV. MILK | AV. FAT    |
|----------------|-----------------------------------|--------|----|------------------|--------------------|--------|----------|---------------|-----------------|---------|--------------------|------------|
|                |                                   |        |    | NUMBER           | L8                 | %      | L8       | NUMBER        | L8              | L8      | L8                 | L8         |
| 128335         | MEADOW VIEW MASTER.....           |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 08-26-56       | 106902                            | 294823 | 20 | NDN-AI DAUGHTERS | 31                 | 12,720 | 4.2      | 536           |                 |         |                    |            |
| AI STUD, 41-25 | LISTED, 08-63                     |        | 20 | WITH HERD-MATES  | 31                 | 12,720 | 4.2      | 536           |                 |         |                    |            |
| STATES-        | 42,45                             |        |    |                  |                    |        |          |               | 11              | 11,402  | 458                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 1318    | 78                 |            |
| 128369         | NORVIC MASTER MDLDER.....         |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 08-29-56       | 106902                            | 156613 | 7  | AI DAUGHTERS-03  | 7                  | 9,781  | 4.2      | 411           |                 |         |                    |            |
| AI STUD, 47-01 | LISTED, 05-64                     |        | 7  | WITH HERD-MATES  | 7                  | 9,781  | 4.2      | 411           |                 |         |                    |            |
| STATES-        | 47                                |        |    |                  |                    |        |          |               | 6               | 11,118  | 447                | 10,448 434 |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 1337-   | 36-                |            |
| 128416         | PDWDER RIVER GENIUS.....          |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 06-30-56       | 121189                            | 301826 | 15 | NDN-AI DAUGHTERS | 27                 | 11,457 | 4.3      | 489           |                 |         |                    |            |
|                | LISTED, 08-63                     |        | 15 | WITH HERD-MATES  | 27                 | 11,457 | 4.3      | 489           |                 |         |                    |            |
| STATES-        | 81,91,92                          |        |    |                  |                    |        |          |               | 12              | 9,972   | 434                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 1485    | 55                 |            |
| 128476         | MAPLEDALE-S BUSTER.....           |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 08-22-56       | 122236                            | 194727 | 10 | NDN-AI DAUGHTERS | 11                 | 13,895 | 3.7      | 508           |                 |         |                    |            |
|                | LISTED, 03-64                     |        | 10 | WITH HERD-MATES  | 11                 | 13,895 | 3.7      | 508           |                 |         |                    |            |
| STATES-        | 21                                |        |    |                  |                    |        |          |               | 14              | 12,686  | 487                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 1209    | 21                 |            |
| 128496         | HI-HD CASEY.....                  |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 03-09-57       | 76059                             | 121116 | 21 | NDN-AI DAUGHTERS | 28                 | 10,497 | 4.4      | 467           |                 |         |                    |            |
|                | LISTED, 03-64                     |        | 19 | WITH HERD-MATES  | 25                 | 10,755 | 4.4      | 476           |                 |         |                    |            |
| STATES-        | 21,51                             |        |    |                  |                    |        |          |               | 29              | 12,462  | 526                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 1707-   | 50-                |            |
| 128498         | DSTVAL-S DEDICATOR.....           |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 04-10-56       | 85732                             | 148535 | 8  | NDN-AI DAUGHTERS | 12                 | 13,503 | 4.2      | 569           |                 |         |                    |            |
|                | LISTED, 11-63                     |        | 8  | WITH HERD-MATES  | 12                 | 13,503 | 4.2      | 569           |                 |         |                    |            |
| STATES-        | 35                                |        |    |                  |                    |        |          |               | 16              | 12,261  | 491                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 1242    | 78                 |            |
| 128536         | .....                             |        |    |                  |                    |        |          |               |                 |         |                    |            |
|                |                                   |        | 5  | NDN-AI DAUGHTERS | 7                  | 7,216  | 3.9      | 280           |                 |         |                    |            |
| STATES-        | 33,57                             |        | 5  | WITH HERD-MATES  | 6                  | 7,069  | 3.8      | 272           |                 |         |                    |            |
|                |                                   |        |    |                  |                    |        |          |               | 10              | 9,323   | 367                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 2254-   | 95-                |            |
| 128613         | GRASSY CREEK-S RANSOM R.....      |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 10-01-56       | 120559                            | 282330 | 10 | NDN-AI DAUGHTERS | 13                 | 12,499 | 4.5      | 559           |                 |         |                    |            |
|                | LISTED, 11-63                     |        | 10 | WITH HERD-MATES  | 13                 | 12,499 | 4.5      | 559           |                 |         |                    |            |
| STATES-        | 31                                |        |    |                  |                    |        |          |               | 3               | 12,109  | 502                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 390     | 57                 |            |
| 128657         | .....                             |        |    |                  |                    |        |          |               |                 |         |                    |            |
|                |                                   |        | 5  | NDN-AI DAUGHTERS | 6                  | 9,767  | 4.1      | 403           |                 |         |                    |            |
| STATES-        | 23,51                             |        | 4  | WITH HERD-MATES  | 5                  | 9,564  | 4.1      | 395           |                 |         |                    |            |
|                |                                   |        |    |                  |                    |        |          |               | 8               | 10,400  | 415                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 836-    | 20-                |            |
| 128801         | SUNSET VIEW NDBLE ADVANCER.....   |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 02-06-57       | 123084                            | 152852 | 15 | NDN-AI DAUGHTERS | 16                 | 9,577  | 4.2      | 399           |                 |         |                    |            |
|                | LISTED, 03-64                     |        | 15 | WITH HERD-MATES  | 16                 | 9,577  | 4.2      | 399           |                 |         |                    |            |
| STATES-        | 41,51                             |        |    |                  |                    |        |          |               | 13              | 11,932  | 500                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 2355-   | 101-               |            |
| 128828         | OLD HOME MISTER K.....            |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 11-19-56       | 99252                             | 232632 | 19 | NDN-AI DAUGHTERS | 21                 | 8,696  | 3.9      | 335           |                 |         |                    |            |
|                | LISTED, 11-63                     |        | 19 | WITH HERD-MATES  | 21                 | 8,696  | 3.9      | 335           |                 |         |                    |            |
| STATES-        | 31,61                             |        |    |                  |                    |        |          |               | 4               | 9,916   | 393                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 1220-   | 58-                |            |
| 128848         | GIDDINGS SPARKLER.....            |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 04-17-56       | 113551                            | 262816 | 9  | NDN-AI DAUGHTERS | 11                 | 8,083  | 4.1      | 332           |                 |         |                    |            |
|                | LISTED, 03-64                     |        | 9  | WITH HERD-MATES  | 11                 | 8,083  | 4.1      | 332           |                 |         |                    |            |
| STATES-        | 42                                |        |    |                  |                    |        |          |               | 12              | 9,488   | 383                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 1405-   | 51-                |            |
| 128895         | NORVIC KINGPIN.....               |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 10-03-56       | 116269                            | 139974 | 8  | NDN-AI DAUGHTERS | 11                 | 10,496 | 4.2      | 444           |                 |         |                    |            |
|                | LISTED, 03-64                     |        | 8  | WITH HERD-MATES  | 11                 | 10,496 | 4.2      | 444           |                 |         |                    |            |
| STATES-        | 33,34,35                          |        |    |                  |                    |        |          |               | 19              | 12,044  | 490                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 1548-   | 46-                |            |
| 128897         | NORVIC REGAL ESQUIRE.....         |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 01-04-57       | 117228                            | 284576 | 10 | NDN-AI DAUGHTERS | 15                 | 12,054 | 4.3      | 518           |                 |         |                    |            |
|                | LISTED, 11-63                     |        | 10 | WITH HERD-MATES  | 15                 | 12,054 | 4.3      | 518           |                 |         |                    |            |
| STATES-        | 34,35,46                          |        |    |                  |                    |        |          |               | 10              | 11,242  | 456                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 812     | 62                 |            |
| 128922         | AVDN VIEW JUPITER.....            |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 07-15-56       | 116269                            | 120875 | 9  | NDN-AI DAUGHTERS | 15                 | 11,335 | 4.1      | 465           |                 |         |                    |            |
|                | LISTED, 01-63                     |        | 9  | WITH HERD-MATES  | 15                 | 11,335 | 4.1      | 465           |                 |         |                    |            |
| STATES-        | 31                                |        |    |                  |                    |        |          |               | 15              | 10,114  | 435                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 1221    | 30                 |            |
| 129077         | .....                             |        |    |                  |                    |        |          |               |                 |         |                    |            |
|                |                                   |        | 5  | NDN-AI DAUGHTERS | 6                  | 12,909 | 4.1      | 524           |                 |         |                    |            |
| STATES-        | 32                                |        | 5  | WITH HERD-MATES  | 6                  | 12,909 | 4.1      | 524           |                 |         |                    |            |
|                |                                   |        |    |                  |                    |        |          |               | 14              | 11,386  | 438                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 1523    | 86                 |            |
| 129116         | .....                             |        |    |                  |                    |        |          |               |                 |         |                    |            |
|                |                                   |        | 5  | NDN-AI DAUGHTERS | 5                  | 11,560 | 4.3      | 494           |                 |         |                    |            |
| STATES-        | 31                                |        | 5  | WITH HERD-MATES  | 5                  | 11,560 | 4.3      | 494           |                 |         |                    |            |
|                |                                   |        |    |                  |                    |        |          |               | 3               | 11,262  | 461                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 298     | 33                 |            |
| 129121         | .....                             |        |    |                  |                    |        |          |               |                 |         |                    |            |
|                |                                   |        | 5  | NDN-AI DAUGHTERS | 6                  | 10,865 | 4.4      | 478           |                 |         |                    |            |
| STATES-        | 23                                |        | 5  | WITH HERD-MATES  | 6                  | 10,865 | 4.4      | 478           |                 |         |                    |            |
|                |                                   |        |    |                  |                    |        |          |               | 7               | 11,808  | 498                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 943-    | 20-                |            |
| 129142         | SHADY VIEW VIDLET-S CHAMPION..... |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 01-01-57       | 70062                             | 249247 | 11 | NDN-AI DAUGHTERS | 16                 | 10,241 | 4.2      | 426           |                 |         |                    |            |
|                | LISTED, 11-63                     |        | 11 | WITH HERD-MATES  | 16                 | 10,241 | 4.2      | 426           |                 |         |                    |            |
| STATES-        | 33                                |        |    |                  |                    |        |          |               | 8               | 10,107  | 412                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 134     | 14                 |            |
| 129148         | LEE-S HILL WAYFARER M.....        |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 04-15-57       | 90827                             | 115544 | 9  | NDN-AI DAUGHTERS | 9                  | 7,574  | 4.6      | 350           |                 |         |                    |            |
|                | LISTED, 05-64                     |        | 9  | WITH HERD-MATES  | 9                  | 7,574  | 4.6      | 350           |                 |         |                    |            |
| STATES-        | 13,33,48                          |        |    |                  |                    |        |          |               | 9               | 10,704  | 449                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 3130-   | 99-                |            |
| 129272         | G. F. MASTER-S BRADY.....         |        |    |                  |                    |        |          |               |                 |         |                    |            |
| 08-15-56       | 102266                            | 229472 | 8  | NDN-AI DAUGHTERS | 11                 | 11,375 | 4.0      | 452           |                 |         |                    |            |
|                | LISTED, 01-63                     |        | 8  | WITH HERD-MATES  | 11                 | 11,375 | 4.0      | 452           |                 |         |                    |            |
| STATES-        | 34                                |        |    |                  |                    |        |          |               | 49              | 12,159  | 487                |            |
|                |                                   |        |    |                  |                    |        |          |               | DIFF.           | 784-    | 35-                |            |

## SIREN OF DHIA DAUGHTERS

| 8RDWN SWISS               |                                      |     |                  | AV. PRODUCTION OF DAU. | ADJ. HERO-MATES AV. | AV. MILK | AV. FAT | PREDICTED AV. |
|---------------------------|--------------------------------------|-----|------------------|------------------------|---------------------|----------|---------|---------------|
|                           |                                      |     |                  | RECORDS MILK TEST FAT  | AV. MILK            | FAT      | FAT     | MILK FAT      |
|                           |                                      |     |                  | NUMBER LB % LB         | NUMBER LB           | LB       | LB      | LB LB         |
| 129326                    | VIRTUE-S GENESIS RDY.....            |     |                  |                        |                     |          |         |               |
| 04-12-57                  | 115881 243946                        | 8   | NDN-AI DAUGHTERS | 13                     | 10,535              | 3.9      | 408     |               |
|                           | LISTED, 08-63                        | 8   | WITH HERD-MATES  | 13                     | 10,535              | 3.9      | 408     |               |
| STATES- 52                |                                      |     |                  |                        |                     | 9        | 10,493  | 435           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 42      | 27-           |
| 129362                    | .....                                | 5   | NDN-AI DAUGHTERS | 7                      | 7,427               | 4.4      | 326     |               |
| STATES- 42                |                                      | 5   | WITH HERD-MATES  | 7                      | 7,427               | 4.4      | 326     |               |
|                           |                                      |     |                  |                        |                     | 9        | 8,574   | 349           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 1147-   | 23-           |
| 129393                    | .....                                | 5   | NDN-AI DAUGHTERS | 5                      | 9,928               | 4.2      | 419     |               |
| STATES- 23                |                                      | 4   | WITH HERD-MATES  | 4                      | 9,570               | 4.2      | 406     |               |
|                           |                                      |     |                  |                        |                     | 12       | 12,130  | 512           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 2560-   | 106-          |
| 129630                    | DSTVAL-S NABD8-S EL CAPITAN.....     |     |                  |                        |                     |          |         |               |
| 04-27-57                  | 102073 245475                        | 117 | AI DAUGHTERS-25* | 147                    | 11,501              | 4.1      | 476     |               |
| AI STUD, 21-01            | LISTED, 05-64                        | 108 | WITH HERD-MATES  | 134                    | 11,538              | 4.2      | 479     |               |
| STATES- 13,14,21,22,23,52 |                                      |     |                  |                        |                     | 12       | 11,836  | 485           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 298-    | 6-            |
| 129730                    | LEE-S HILL IMPARTIAL R.....          |     |                  |                        |                     |          |         |               |
| 10-04-56                  | 80792 144295                         | 55  | AI DAUGHTERS-25* | 64                     | 10,779              | 4.1      | 445     |               |
| AI STUD, 23-05            | LISTED, 05-64                        | 49  | WITH HERD-MATES  | 57                     | 10,785              | 4.2      | 448     |               |
| STATES- 23,51             |                                      |     |                  |                        |                     | 10       | 11,336  | 477           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 551-    | 29-           |
|                           |                                      | 1   | NDN-AI DAUGHTERS | 2                      | 7,510               | 4.6      | 344     |               |
|                           |                                      | 1   | WITH HERD-MATES  | 2                      | 7,510               | 4.6      | 344     |               |
|                           |                                      |     |                  |                        |                     | 8        | 10,173  | 432           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 2663-   | 88-           |
| 129997                    | HY CREST SDVEREIGN.....              |     |                  |                        |                     |          |         |               |
| 08-24-56                  | 107506 150007                        | 9   | NDN-AI DAUGHTERS | 14                     | 10,301              | 4.1      | 420     |               |
|                           | LISTED, 11-63                        | 9   | WITH HERD-MATES  | 13                     | 10,543              | 4.1      | 432     |               |
| STATES- 11,13,21,51       |                                      |     |                  |                        |                     | 18       | 11,621  | 491           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 1078-   | 59-           |
| 130448                    | .....                                | 5   | NDN-AI DAUGHTERS | 5                      | 12,950              | 4.0      | 515     |               |
| STATES- 55                |                                      | 5   | WITH HERD-MATES  | 5                      | 12,950              | 4.0      | 515     |               |
|                           |                                      |     |                  |                        |                     | 17       | 11,296  | 453           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 1654    | 62            |
| 130527                    | .....                                | 5   | NDN-AI DAUGHTERS | 7                      | 12,312              | 4.1      | 502     |               |
| STATES- 23                |                                      | 5   | WITH HERD-MATES  | 7                      | 12,312              | 4.1      | 502     |               |
|                           |                                      |     |                  |                        |                     | 10       | 11,420  | 481           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 892     | 21            |
| 130577                    | NDORTH REPELMAR RDAMER-S CAPPER..... |     |                  |                        |                     |          |         |               |
| 05-11-57                  | 106557 224594                        | 8   | NDN-AI DAUGHTERS | 11                     | 9,536               | 3.9      | 370     |               |
|                           | LISTED, 08-63                        | 8   | WITH HERD-MATES  | 11                     | 9,536               | 3.9      | 370     |               |
| STATES- 41                |                                      |     |                  |                        |                     | 6        | 9,730   | 394           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 194-    | 24-           |
| 130598                    | WELCDME IN GRANDEE.....              |     |                  |                        |                     |          |         |               |
| 02-08-57                  | 121816 211141                        | 10  | NDN-AI DAUGHTERS | 11                     | 11,053              | 4.1      | 449     |               |
|                           | LISTED, 11-63                        | 10  | WITH HERD-MATES  | 11                     | 11,053              | 4.1      | 449     |               |
| STATES- 31                |                                      |     |                  |                        |                     | 6        | 10,388  | 421           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 665     | 28            |
| 130710                    | .....                                | 9   | NDN-AI DAUGHTERS | 9                      | 11,599              | 4.2      | 491     |               |
| STATES- 32                |                                      | 9   | WITH HERD-MATES  | 9                      | 11,599              | 4.2      | 491     |               |
|                           |                                      |     |                  |                        |                     | 10       | 12,979  | 517           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 1380-   | 26-           |
| 130749                    | P. V. DUKE-S RDDNEY.....             |     |                  |                        |                     |          |         |               |
| 06-05-57                  | 87055 246056                         | 15  | NDN-AI DAUGHTERS | 19                     | 11,791              | 3.9      | 458     |               |
|                           | LISTED, 03-64                        | 15  | WITH HERD-MATES  | 19                     | 11,791              | 3.9      | 458     |               |
| STATES- 21                |                                      |     |                  |                        |                     | 15       | 11,212  | 447           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 579     | 11            |
| 130898                    | V 8 SHERATDN PAVANNE.....            |     |                  |                        |                     |          |         |               |
| 10-21-57                  | 119848 326258                        | 13  | NDN-AI DAUGHTERS | 14                     | 11,242              | 4.3      | 487     |               |
|                           | LISTED, 03-64                        | 12  | WITH HERD-MATES  | 13                     | 10,993              | 4.3      | 473     |               |
| STATES- 33                |                                      |     |                  |                        |                     | 9        | 11,278  | 467           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 285-    | 6             |
| 130929                    | .....                                | 7   | NDN-AI DAUGHTERS | 9                      | 14,534              | 4.5      | 648     |               |
| STATES- 31                |                                      | 7   | WITH HERD-MATES  | 9                      | 14,534              | 4.5      | 648     |               |
|                           |                                      |     |                  |                        |                     | 10       | 14,289  | 617           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 245     | 31            |
| 131138                    | MEADOW VIEW LANCELOT C.....          |     |                  |                        |                     |          |         |               |
| 03-24-57                  | 106157 206636                        | 17  | NDN-AI DAUGHTERS | 24                     | 14,076              | 3.9      | 542     |               |
| AI STUD, 41-25            | LISTED, 05-64                        | 17  | WITH HERD-MATES  | 24                     | 14,076              | 3.9      | 542     |               |
| STATES- 42,74             |                                      |     |                  |                        |                     | 14       | 12,300  | 483           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 1776    | 59            |
| 131160                    | AVDN VIEW TDPMDST.....               |     |                  |                        |                     |          |         |               |
| 01-16-58                  | 126055 251140                        | 9   | NDN-AI DAUGHTERS | 11                     | 14,607              | 4.3      | 628     |               |
|                           | LISTED, 11-63                        | 9   | WITH HERD-MATES  | 11                     | 14,607              | 4.3      | 628     |               |
| STATES- 31                |                                      |     |                  |                        |                     | 7        | 11,982  | 502           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 2625    | 126           |
| 131263                    | MEADWW VIEW JUDSDN C.....            |     |                  |                        |                     |          |         |               |
| 08-17-57                  | 106157 227963                        | 10  | NDN-AI DAUGHTERS | 16                     | 11,316              | 4.5      | 513     |               |
|                           | LISTED, 11-63                        | 10  | WITH HERD-MATES  | 16                     | 11,316              | 4.5      | 513     |               |
| STATES- 42                |                                      |     |                  |                        |                     | 8        | 10,930  | 460           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 386     | 53            |
| 131442                    | .....                                | 5   | NDN-AI DAUGHTERS | 5                      | 8,192               | 4.3      | 356     |               |
| STATES- 42                |                                      | 5   | WITH HERD-MATES  | 5                      | 8,192               | 4.3      | 356     |               |
|                           |                                      |     |                  |                        |                     | 8        | 10,714  | 452           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 2522-   | 96-           |
| 131486                    | .....                                | 6   | NDN-AI DAUGHTERS | 7                      | 11,843              | 4.4      | 525     |               |
| STATES- 31                |                                      | 6   | WITH HERD-MATES  | 6                      | 11,820              | 4.5      | 528     |               |
|                           |                                      |     |                  |                        |                     | 15       | 12,472  | 514           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 652-    | 14            |
| 131492                    | PAR NIC-S TAMPER.....                |     |                  |                        |                     |          |         |               |
| 08-11-57                  | 76059 282730                         | 8   | NDN-AI DAUGHTERS | 15                     | 11,303              | 4.3      | 486     |               |
|                           | LISTED, 08-63                        | 8   | WITH HERD-MATES  | 15                     | 11,303              | 4.3      | 486     |               |
| STATES- 23                |                                      |     |                  |                        |                     | 6        | 9,804   | 413           |
|                           |                                      |     |                  |                        |                     | DIFF.    | 1499    | 73            |





## SIRE OF DHIA DAUGHTERS

| BROWN SWISS         |                                  |    |                  | AV. RECORDS | PRODUCTION | OF MILK | DAU. TEST | FAT | ADJ. AV. NUMBER | HERD-MATES MILK | AV. FAT | PREDICTED AV. MILK | AV. FAT |
|---------------------|----------------------------------|----|------------------|-------------|------------|---------|-----------|-----|-----------------|-----------------|---------|--------------------|---------|
|                     |                                  |    |                  | NUMBER      | L8         | %       | L8        | L8  | NUMBER          | L8              | L8      | L8                 | L8      |
| 133236              | .....                            | 5  | NON-AI DAUGHTERS | 5           | 9,626      | 4.1     | 392       |     |                 |                 |         |                    |         |
| STATES- 35          |                                  | 5  | WITH HERD-MATES  | 5           | 9,626      | 4.1     | 392       |     | 5               | 10,566          | 429     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 940-            | 37-     |                    |         |
| 133254              | FULLPAUL LOTHAR 8.....           |    |                  |             |            |         |           |     |                 |                 |         |                    |         |
| 01-08-58            | 121214 175361                    | 12 | NON-AI DAUGHTERS | 12          | 11,385     | 4.5     | 512       |     |                 |                 |         |                    |         |
| STATES- 31          | LISTED, 11-63                    | 11 | WITH HERD-MATES  | 11          | 11,515     | 4.5     | 521       |     | 19              | 11,946          | 524     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 431-            | 3-      |                    |         |
| 133291              | .....                            | 6  | NON-AI DAUGHTERS | 6           | 12,178     | 4.3     | 520       |     |                 |                 |         |                    |         |
| STATES- 45          |                                  | 6  | WITH HERD-MATES  | 6           | 12,178     | 4.3     | 520       |     | 1               | 11,383          | 481     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 795             | 39      |                    |         |
| 133443              | .....                            | 5  | NON-AI DAUGHTERS | 5           | 9,106      | 4.0     | 364       |     |                 |                 |         |                    |         |
| STATES- 55          |                                  | 5  | WITH HERD-MATES  | 5           | 9,106      | 4.0     | 364       |     | 10              | 9,211           | 373     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 105-            | 9-      |                    |         |
| 133502              | .....                            | 7  | NON-AI DAUGHTERS | 7           | 10,767     | 4.3     | 460       |     |                 |                 |         |                    |         |
| STATES- 32          |                                  | 7  | WITH HERD-MATES  | 7           | 10,767     | 4.3     | 460       |     | 3               | 11,659          | 478     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 892-            | 18-     |                    |         |
| 133554              | .....                            | 5  | NON-AI DAUGHTERS | 6           | 9,752      | 4.5     | 437       |     |                 |                 |         |                    |         |
| STATES- 13,21       |                                  | 5  | WITH HERD-MATES  | 6           | 9,752      | 4.5     | 437       |     | 13              | 11,271          | 473     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 1519-           | 36-     |                    |         |
| 133640              | HILLWINDS LEGACY C.....          |    |                  |             |            |         |           |     |                 |                 |         |                    |         |
| 07-07-58            | 111590 206636                    | 5  | NON-AI DAUGHTERS | 5           | 9,796      | 3.7     | 365       |     |                 |                 |         |                    |         |
| AI STUD, 11-01      | LISTED, 05-64                    | 5  | WITH HERD-MATES  | 5           | 9,796      | 3.7     | 365       |     | 8               | 11,142          | 441     |                    |         |
| STATES- 11          |                                  |    |                  |             |            |         |           |     | DIFF.           | 1346-           | 76-     |                    |         |
| 133673              | .....                            | 5  | NON-AI DAUGHTERS | 6           | 11,242     | 4.2     | 473       |     |                 |                 |         |                    |         |
| STATES- 74          |                                  | 5  | WITH HERD-MATES  | 6           | 11,242     | 4.2     | 473       |     | 27              | 11,518          | 458     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 276-            | 15      |                    |         |
| 133783              | OSTVAL-S NA808-S EL OORAO.....   |    |                  |             |            |         |           |     |                 |                 |         |                    |         |
| 07-08-58            | 102073 245475                    | 5  | NON-AI DAUGHTERS | 5           | 12,824     | 4.5     | 573       |     |                 |                 |         |                    |         |
| AI STUD, 41-01      | LISTED, 05-64                    | 4  | WITH HERD-MATES  | 4           | 12,543     | 4.4     | 546       |     | 9               | 11,198          | 462     |                    |         |
| STATES- 41,46       |                                  |    |                  |             |            |         |           |     | DIFF.           | 1345            | 84      |                    |         |
| 133805              | .....                            | 6  | NON-AI DAUGHTERS | 6           | 11,783     | 4.4     | 523       |     |                 |                 |         |                    |         |
| STATES- 31          |                                  | 6  | WITH HERD-MATES  | 6           | 11,783     | 4.4     | 523       |     | 15              | 10,723          | 459     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 1060            | 64      |                    |         |
| 133855              | .....                            | 7  | NON-AI DAUGHTERS | 9           | 14,631     | 4.3     | 631       |     |                 |                 |         |                    |         |
| STATES- 31          |                                  | 7  | WITH HERD-MATES  | 9           | 14,631     | 4.3     | 631       |     | 7               | 12,186          | 514     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 2445            | 117     |                    |         |
| 133894              | .....                            | 5  | NON-AI DAUGHTERS | 6           | 14,842     | 4.2     | 616       |     |                 |                 |         |                    |         |
| STATES- 31          |                                  | 5  | WITH HERD-MATES  | 6           | 14,842     | 4.2     | 616       |     | 6               | 12,984          | 528     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 1858            | 88      |                    |         |
| 134020              | ROCK-N-MAPLE THAKUR.....         |    |                  |             |            |         |           |     |                 |                 |         |                    |         |
| 10-15-58            | 76059 261648                     | 14 | AI DAUGHTERS-10  | 14          | 11,360     | 4.2     | 482       |     |                 |                 |         |                    |         |
| AI STUD, 21-01      | LISTED, 05-64                    | 12 | WITH HERD-MATES  | 12          | 11,860     | 4.2     | 502       |     | 11              | 12,758          | 540     | 10,565             | 432     |
| STATES- 13,14,21    |                                  |    |                  |             |            |         |           |     | DIFF.           | 898-            | 38-     |                    |         |
| 134032              | .....                            | 8  | NON-AI DAUGHTERS | 8           | 14,124     | 4.2     | 598       |     |                 |                 |         |                    |         |
| STATES- 21          |                                  | 7  | WITH HERD-MATES  | 7           | 15,230     | 4.3     | 651       |     | 15              | 13,969          | 596     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 1261            | 55      |                    |         |
| 134071              | WELCOME IN COUNT.....            |    |                  |             |            |         |           |     |                 |                 |         |                    |         |
| 08-27-58            | 121816 210247                    | 9  | NON-AI DAUGHTERS | 9           | 14,923     | 4.0     | 592       |     |                 |                 |         |                    |         |
| STATES- 61          | LISTED, 05-64                    | 9  | WITH HERD-MATES  | 9           | 14,923     | 4.0     | 592       |     | 11              | 13,607          | 538     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 1316            | 54      |                    |         |
| 134206              | .....                            | 8  | NON-AI DAUGHTERS | 8           | 14,641     | 4.4     | 650       |     |                 |                 |         |                    |         |
| STATES- 93          |                                  | 8  | WITH HERD-MATES  | 8           | 14,641     | 4.4     | 650       |     | 12              | 12,719          | 527     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 1922            | 123     |                    |         |
| 134278              | STIAHTA-S GERONIMO.....          |    |                  |             |            |         |           |     |                 |                 |         |                    |         |
| 10-16-58            | 114123 166509                    | 16 | AI DAUGHTERS-14  | 16          | 9,739      | 4.2     | 412       |     |                 |                 |         |                    |         |
| AI STUD, 21-01      | LISTED, 05-64                    | 13 | WITH HERD-MATES  | 13          | 9,933      | 4.2     | 418       |     | 11              | 11,072          | 454     | 10,338             | 429     |
| STATES- 13,21,22    |                                  |    |                  |             |            |         |           |     | DIFF.           | 1139-           | 36-     |                    |         |
| 134372              | .....                            | 5  | NON-AI DAUGHTERS | 6           | 8,656      | 4.2     | 361       |     |                 |                 |         |                    |         |
| STATES- 41          |                                  | 5  | WITH HERD-MATES  | 6           | 8,656      | 4.2     | 361       |     | 11              | 10,646          | 420     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 1990-           | 59-     |                    |         |
| 134504              | .....                            | 6  | NON-AI DAUGHTERS | 8           | 11,518     | 4.2     | 482       |     |                 |                 |         |                    |         |
| STATES- 42          |                                  | 5  | WITH HERD-MATES  | 7           | 12,520     | 4.2     | 521       |     | 17              | 11,804          | 489     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 716             | 32      |                    |         |
| 134764              | OSTVAL-S DEDICATOR-S LANCER..... |    |                  |             |            |         |           |     |                 |                 |         |                    |         |
| 03-13-58            | 128498 152967                    | 10 | NON-AI DAUGHTERS | 12          | 11,038     | 4.3     | 474       |     |                 |                 |         |                    |         |
| AI STUD, 33-02      | LISTED, 11-63                    | 9  | WITH HERD-MATES  | 11          | 10,937     | 4.3     | 468       |     | 7               | 10,955          | 438     |                    |         |
| STATES- 33,42,48,63 |                                  |    |                  |             |            |         |           |     | DIFF.           | 18-             | 30      |                    |         |
| 134932              | .....                            | 5  | NON-AI DAUGHTERS | 5           | 11,782     | 4.0     | 472       |     |                 |                 |         |                    |         |
| STATES- 42          |                                  | 5  | WITH HERD-MATES  | 5           | 11,782     | 4.0     | 472       |     | 8               | 10,489          | 408     |                    |         |
|                     |                                  |    |                  |             |            |         |           |     | DIFF.           | 1293            | 64      |                    |         |

## SIREs OF OHIA DAUGHTERS

| BROWN SWISS                  |                       | AV. PRODUCTION OF DAU. |            |           |           | ADJ. HERD-MATES AV. |                 |             | PREDICTED AV. |           |
|------------------------------|-----------------------|------------------------|------------|-----------|-----------|---------------------|-----------------|-------------|---------------|-----------|
|                              |                       | RECORDS<br>NUMBER      | MILK<br>LB | TEST<br>% | FAT<br>LB | NUMBER              | MILK<br>LB      | FAT<br>LB   | MILK<br>LB    | FAT<br>LB |
| 135022                       | .....                 |                        |            |           |           |                     |                 |             |               |           |
|                              | 5 NON-AI DAUGHTERS    | 5                      | 13,930     | 3.9       | 548       |                     |                 |             |               |           |
| STATES- 41                   | 5 WITH HERD-MATES     | 5                      | 13,930     | 3.9       | 548       | 10<br>DIFF.         | 12,214<br>1716  | 506<br>42   |               |           |
| 135026                       | .....                 |                        |            |           |           |                     |                 |             |               |           |
|                              | 6 NON-AI DAUGHTERS    | 6                      | 10,113     | 4.2       | 427       |                     |                 |             |               |           |
| STATES- 22,35                | 5 WITH HERD-MATES     | 5                      | 10,420     | 4.3       | 447       | 8<br>DIFF.          | 11,699<br>1279- | 473<br>26-  |               |           |
| 135051                       | .....                 |                        |            |           |           |                     |                 |             |               |           |
|                              | 6 NON-AI DAUGHTERS    | 6                      | 8,607      | 3.8       | 327       |                     |                 |             |               |           |
| STATES- 47                   | 6 WITH HERD-MATES     | 6                      | 8,607      | 3.8       | 327       | 14<br>DIFF.         | 9,338<br>731-   | 355<br>28-  |               |           |
| 135099                       | .....                 |                        |            |           |           |                     |                 |             |               |           |
|                              | 9 NON-AI DAUGHTERS    | 9                      | 12,184     | 4.1       | 501       |                     |                 |             |               |           |
| STATES- 92,93                | 8 WITH HERD-MATES     | 8                      | 12,704     | 4.1       | 516       | 73<br>DIFF.         | 10,145<br>2559  | 410<br>106  |               |           |
| 135576                       | .....                 |                        |            |           |           |                     |                 |             |               |           |
|                              | 6 NON-AI DAUGHTERS    | 7                      | 9,748      | 4.2       | 412       |                     |                 |             |               |           |
| STATES- 21                   | 6 WITH HERD-MATES     | 7                      | 9,748      | 4.2       | 412       | 10<br>DIFF.         | 13,102<br>3354- | 508<br>96-  |               |           |
| 136479                       | WELCOME IN BARDN..... |                        |            |           |           |                     |                 |             |               |           |
| 09-02-59                     | 121816 150821         | 7                      | 8,030      | 4.2       | 338       |                     |                 |             |               |           |
| AI STUD, 21-01 LISTED, 05-64 | 6 WITH HERD-MATES     | 6                      | 8,017      | 4.2       | 337       | 5<br>DIFF.          | 11,111<br>3094- | 467<br>130- | 9,907         | 405       |
| STATES- 21                   |                       |                        |            |           |           |                     |                 |             |               |           |
| 137590                       | .....                 |                        |            |           |           |                     |                 |             |               |           |
|                              | 7 NON-AI DAUGHTERS    | 7                      | 7,327      | 4.1       | 303       |                     |                 |             |               |           |
| STATES- 42                   | 5 WITH HERD-MATES     | 5                      | 7,648      | 4.1       | 310       | 11<br>DIFF.         | 10,290<br>2642- | 419<br>109- |               |           |

## SIRE OF DHIA DAUGHTERS

| M. SHORTHORN                       |                               |                  |     | AV. RECORDS | PRODUCTION OF MILK LBS | TEST % | DAU. FAT LBS | ADJ. AV. NUMBER | HERO-MATES MILK LBS | AV. FAT LBS | PREOICTED AV. MILK LBS | FAT LBS |
|------------------------------------|-------------------------------|------------------|-----|-------------|------------------------|--------|--------------|-----------------|---------------------|-------------|------------------------|---------|
| 28346                              | PRINCETON LEADER 20.....      |                  |     |             |                        |        |              |                 |                     |             |                        |         |
| 09-28-46                           | 2165380 972 12                | AI DAUGHTERS-08  | 21  | 9,398       | 3.9                    | 366    |              |                 |                     |             |                        |         |
| AI STUO, 42-08                     | LISTED, 01-63 11              | WITH HERO-MATES  | 17  | 8,927       | 3.9                    | 351    |              |                 |                     |             |                        |         |
| STATES- 21,42                      |                               |                  |     |             |                        |        |              | 4               | 8,528               | 320         | 8,791                  | 344     |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 399                 | 31          |                        |         |
| 32190                              | GRIFFARM DESIGNER.....        |                  |     |             |                        |        |              |                 |                     |             |                        |         |
| 09-08-48                           | 1832984 2142223 15            | NON-AI DAUGHTERS | 30  | 9,063       | 4.2                    | 379    |              |                 |                     |             |                        |         |
| LISTED, 08-62                      | 12                            | WITH HERO-MATES  | 25  | 9,230       | 4.2                    | 387    |              |                 |                     |             |                        |         |
| STATES- 32,33,43,47,48,63          |                               |                  |     |             |                        |        |              | 9               | 8,919               | 353         |                        |         |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 311                 | 34          |                        |         |
| 53627                              | .....                         |                  |     |             |                        |        |              |                 |                     |             |                        |         |
|                                    | 5 NON-AI DAUGHTERS            |                  | 5   | 7,596       | 3.6                    | 273    |              |                 |                     |             |                        |         |
| STATES- 21                         | 3 WITH HERO-MATES             |                  | 3   | 7,973       | 3.5                    | 281    |              |                 |                     |             |                        |         |
|                                    |                               |                  |     |             |                        |        |              | 7               | 8,746               | 342         |                        |         |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 773-                | 61-         |                        |         |
| 56042                              | TYFARMS MATCHLESS BUD.....    |                  |     |             |                        |        |              |                 |                     |             |                        |         |
| 06-03-49                           | 2315038 2417538 13            | NDN-AI DAUGHTERS | 18  | 8,615       | 3.7                    | 320    |              |                 |                     |             |                        |         |
| AI STUO, 87-01                     | LISTED, 05-64 11              | WITH HERO-MATES  | 16  | 8,623       | 3.7                    | 320    |              |                 |                     |             |                        |         |
| STATES- 82,92                      |                               |                  |     |             |                        |        |              | 5               | 8,893               | 335         |                        |         |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 270-                | 15-         |                        |         |
| 61368                              | BLUE JACKET ROMEO - TWIN..... |                  |     |             |                        |        |              |                 |                     |             |                        |         |
| 08-29-49                           | 85896 1962887 4               | AI DAUGHTERS-03  |     |             |                        |        |              |                 |                     |             |                        |         |
| AI STUO, 48-01                     | LISTED, 05-64 4               | WITH HERO-MATES  |     |             |                        |        |              |                 |                     |             |                        |         |
| STATES- 43,47,48,71,73             |                               |                  |     |             |                        |        |              |                 |                     |             |                        |         |
|                                    | 21 NON-AI DAUGHTERS           |                  | 42  | 9,569       | 4.0                    | 387    |              |                 |                     |             |                        |         |
|                                    | 19 WITH HERO-MATES            |                  | 39  | 9,662       | 4.0                    | 387    |              |                 |                     |             |                        |         |
|                                    |                               |                  |     |             |                        |        |              | 10              | 9,722               | 388         |                        |         |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 60-                 | 1-          |                        |         |
| 79581                              | LA FRAISE DUKE 3D.....        |                  |     |             |                        |        |              |                 |                     |             |                        |         |
| 03-21-50                           | 2213443 27761 4               | AI DAUGHTERS-04  |     |             |                        |        |              |                 |                     |             |                        |         |
| AI STUO, 35-75                     | LISTED, 05-64 3               | WITH HERO-MATES  |     |             |                        |        |              |                 |                     |             |                        |         |
| STATES- 21,33,41,42,64,73          |                               |                  |     |             |                        |        |              |                 |                     |             |                        |         |
|                                    | 22 NDN-AI DAUGHTERS           |                  | 28  | 8,904       | 4.0                    | 354    |              |                 |                     |             |                        |         |
|                                    | 22 WITH HERO-MATES            |                  | 27  | 9,037       | 4.0                    | 359    |              |                 |                     |             |                        |         |
|                                    |                               |                  |     |             |                        |        |              | 6               | 8,176               | 315         |                        |         |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 861                 | 44          |                        |         |
| 99141                              | FDX-S FAIRY LAD.....          |                  |     |             |                        |        |              |                 |                     |             |                        |         |
| 01-15-51                           | 2463144 8259 35               | NON-AI DAUGHTERS | 115 | 8,450       | 4.0                    | 339    |              |                 |                     |             |                        |         |
| AI STUO, 42-08                     | 32                            | WITH HERO-MATES  | 104 | 8,321       | 4.0                    | 337    |              |                 |                     |             |                        |         |
| STATES- 41,42                      |                               |                  |     |             |                        |        |              | 6               | 8,537               | 324         |                        |         |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 216-                | 13          |                        |         |
| 99948                              | RDBIN-S RED SIGNET.....       |                  |     |             |                        |        |              |                 |                     |             |                        |         |
| 10-10-50                           | 4194 24685 29                 | AI DAUGHTERS-15  | 37  | 9,791       | 3.6                    | 356    |              |                 |                     |             |                        |         |
| AI STUO, 35-75                     | LISTED, 08-63 29              | WITH HERO-MATES  | 35  | 9,758       | 3.6                    | 355    |              |                 |                     |             |                        |         |
| STATES- 13,21,32,33,41,42,43,47,91 |                               |                  |     |             |                        |        |              | 12              | 9,068               | 342         | 9,122                  | 340     |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 690                 | 13          |                        |         |
|                                    | 25 NDN-AI DAUGHTERS           |                  | 68  | 9,048       | 3.6                    | 326    |              |                 |                     |             |                        |         |
|                                    | 25 WITH HERO-MATES            |                  | 68  | 9,048       | 3.6                    | 326    |              |                 |                     |             |                        |         |
|                                    |                               |                  |     |             |                        |        |              | 6               | 8,778               | 322         |                        |         |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 270                 | 4           |                        |         |
| 102880                             | WIL0 EYES BARRINGTON REX..... |                  |     |             |                        |        |              |                 |                     |             |                        |         |
| 02-18-51                           | 2165380 113540 7              | AI DAUGHTERS-05  | 13  | 8,470       | 3.7                    | 316    |              |                 |                     |             |                        |         |
| AI STUO, 35-05                     | LISTED, 05-64 7               | WITH HERO-MATES  | 13  | 8,470       | 3.7                    | 316    |              |                 |                     |             |                        |         |
| STATES- 35,42,43                   |                               |                  |     |             |                        |        |              | 16              | 9,197               | 339         | 8,367                  | 322     |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 727-                | 23-         |                        |         |
|                                    | 1 NON-AI DAUGHTERS            |                  | 3   | 7,637       | 4.0                    | 308    |              |                 |                     |             |                        |         |
|                                    | 1 WITH HERO-MATES             |                  | 3   | 7,637       | 4.0                    | 308    |              |                 |                     |             |                        |         |
|                                    |                               |                  |     |             |                        |        |              | 6               | 9,036               | 372         |                        |         |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 1399-               | 64-         |                        |         |
| 103110                             | WIEMKEN-S PRINCE MARQUIS..... |                  |     |             |                        |        |              |                 |                     |             |                        |         |
| 02-01-50                           | 95092 2209939 15              | AI DAUGHTERS-08  | 24  | 9,814       | 4.0                    | 388    |              |                 |                     |             |                        |         |
| AI STUO, 35-75                     | LISTED, 08-62 15              | WITH HERO-MATES  | 24  | 9,814       | 4.0                    | 388    |              |                 |                     |             |                        |         |
| STATES- 12,21,32,33,35,42,63,73    |                               |                  |     |             |                        |        |              | 9               | 9,111               | 339         | 9,021                  | 358     |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 703                 | 49          |                        |         |
|                                    | 11 NON-AI DAUGHTERS           |                  | 19  | 9,563       | 3.9                    | 371    |              |                 |                     |             |                        |         |
|                                    | 10 WITH HERO-MATES            |                  | 17  | 9,501       | 3.9                    | 368    |              |                 |                     |             |                        |         |
|                                    |                               |                  |     |             |                        |        |              | 10              | 9,810               | 381         |                        |         |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 309-                | 13-         |                        |         |
| 111054                             | RETNH STYLISH IMPERIAL.....   |                  |     |             |                        |        |              |                 |                     |             |                        |         |
| 05-13-51                           | 43689 2098819 18              | NON-AI DAUGHTERS | 61  | 8,669       | 3.9                    | 335    |              |                 |                     |             |                        |         |
| AI STUO, 87-01                     | LISTED, 05-64 17              | WITH HERO-MATES  | 48  | 8,736       | 3.9                    | 338    |              |                 |                     |             |                        |         |
| STATES- 82                         |                               |                  |     |             |                        |        |              | 2               | 9,115               | 347         |                        |         |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 379-                | 9-          |                        |         |
| 124435                             | CLOVERHEAD BUTTER ROY.....    |                  |     |             |                        |        |              |                 |                     |             |                        |         |
| 10-29-51                           | 2422049 85556 3               | AI DAUGHTERS-03  |     |             |                        |        |              |                 |                     |             |                        |         |
| AI STUO, 33-03                     | 2                             | WITH HERO-MATES  |     |             |                        |        |              |                 |                     |             |                        |         |
| STATES- 23,31,34,42,43             |                               |                  |     |             |                        |        |              |                 |                     |             |                        |         |
|                                    | 12 NDN-AI DAUGHTERS           |                  | 25  | 8,729       | 3.7                    | 327    |              |                 |                     |             |                        |         |
|                                    | 11 WITH HERO-MATES            |                  | 22  | 8,913       | 3.8                    | 335    |              |                 |                     |             |                        |         |
|                                    |                               |                  |     |             |                        |        |              | 6               | 8,786               | 361         |                        |         |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 127                 | 26-         |                        |         |
| 125260                             | ROCK HILL REOCOAT 30TH.....   |                  |     |             |                        |        |              |                 |                     |             |                        |         |
| 08-13-51                           | 8385 2422071 14               | AI DAUGHTERS-04  | 20  | 7,322       | 4.1                    | 303    |              |                 |                     |             |                        |         |
| AI STUO, 41-25                     | LISTED, 05-64 14              | WITH HERO-MATES  | 20  | 7,322       | 4.1                    | 303    |              |                 |                     |             |                        |         |
| STATES- 23,35,41,42,51,52,63       |                               |                  |     |             |                        |        |              | 13              | 8,219               | 316         | 8,111                  | 323     |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 897-                | 13-         |                        |         |
|                                    | 12 NON-AI DAUGHTERS           |                  | 28  | 8,531       | 4.2                    | 359    |              |                 |                     |             |                        |         |
|                                    | 8 WITH HERO-MATES             |                  | 24  | 9,299       | 4.1                    | 381    |              |                 |                     |             |                        |         |
|                                    |                               |                  |     |             |                        |        |              | 12              | 9,647               | 370         |                        |         |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 348-                | 11          |                        |         |
| 127040                             | .....                         |                  |     |             |                        |        |              |                 |                     |             |                        |         |
|                                    | 5 NDN-AI DAUGHTERS            |                  | 10  | 8,944       | 3.7                    | 328    |              |                 |                     |             |                        |         |
| STATES- 71                         | 5 WITH HERO-MATES             |                  | 10  | 8,944       | 3.7                    | 328    |              |                 |                     |             |                        |         |
|                                    |                               |                  |     |             |                        |        |              | 11              | 9,744               | 372         |                        |         |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 800-                | 44-         |                        |         |
| 127671                             | BARRINGTON DOUBLE ARTHUR..... |                  |     |             |                        |        |              |                 |                     |             |                        |         |
| 10-15-51                           | 2165380 113543 10             | AI DAUGHTERS-07  | 27  | 9,175       | 3.9                    | 354    |              |                 |                     |             |                        |         |
| AI STUO, 41-01                     | LISTED, 05-64 9               | WITH HERO-MATES  | 26  | 9,269       | 3.9                    | 359    |              |                 |                     |             |                        |         |
| STATES- 33,35,41,63                |                               |                  |     |             |                        |        |              | 7               | 9,300               | 351         | 8,623                  | 334     |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 31-                 | 8           |                        |         |
|                                    | 16 NDN-AI DAUGHTERS           |                  | 45  | 9,717       | 3.7                    | 355    |              |                 |                     |             |                        |         |
|                                    | 14 WITH HERO-MATES            |                  | 41  | 9,637       | 3.7                    | 355    |              |                 |                     |             |                        |         |
|                                    |                               |                  |     |             |                        |        |              | 5               | 9,299               | 355         |                        |         |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 338                 |             |                        |         |
| 127672                             | BARRINGTON PREMIER BATES..... |                  |     |             |                        |        |              |                 |                     |             |                        |         |
| 12-07-51                           | 216380 113539 10              | AI DAUGHTERS-08  | 21  | 10,069      | 3.8                    | 383    |              |                 |                     |             |                        |         |
| AI STUO, 35-05                     | LISTED, 05-64 9               | WITH HERO-MATES  | 20  | 9,971       | 3.7                    | 373    |              |                 |                     |             |                        |         |
| STATES- 35,71                      |                               |                  |     |             |                        |        |              | 12              | 8,881               | 339         | 9,076                  | 345     |
|                                    |                               |                  |     |             |                        |        |              | DIFF.           | 1090                | 34          |                        |         |



## SIREs OF DHIA DAUGHTERS

| M. SHORTHORN                           |    |                  |    | AV. PRODUCTION OF DAU. | ADJ. HERD-MATES AV. | AV. PREDICTED AV. |
|--|----|------------------|----|------------------------|---------------------|-------------------|
|  |    |                  |    | RECORDS MILK TEST FAT  | NUMBER MILK FAT     | MILK FAT          |
|  |    |                  |    | NUMBER LB % LB         | NUMBER LB LB        | LB LB             |
| 128075 M BARRINGTON DAIRYMASTER.....   |    |                  |    |                        |                     |                   |
| 10-12-51 20476 2397703                 | 17 | AI DAUGHTERS-07  | 32 | 8,803 3.8 334          |                     |                   |
| AI STUD, 41-01 LISTED, 05-64           | 16 | WITH HERD-MATES  | 31 | 8,699 3.8 331          | 7 8,939 351         | 8,489 320         |
| STATES- 41,42                          |    |                  |    |                        | DIFF. 240- 20-      |                   |
|  | 4  | NDN-AI DAUGHTERS | 7  | 7,940 3.7 291          |                     |                   |
|  | 4  | WITH HERD-MATES  | 7  | 7,940 3.7 291          | 7 7,934 305         |                   |
|  |    |                  |    |                        | DIFF. 6 14-         |                   |
| 132285 .....                           |    |                  |    |                        |                     |                   |
|  | 12 | NDN-AI DAUGHTERS | 28 | 8,496 4.0 339          |                     |                   |
| STATES- 91                             | 12 | WITH HERD-MATES  | 28 | 8,496 4.0 339          | 8 8,692 349         |                   |
|  |    |                  |    |                        | DIFF. 196- 10-      |                   |
| 137332 .....                           |    |                  |    |                        |                     |                   |
|  | 4  | AI DAUGHTERS-01  |    |                        |                     |                   |
| AI STUD, 41-25                         | 3  | WITH HERD-MATES  |    |                        |                     |                   |
| STATES- 41,45                          |    |                  |    |                        |                     |                   |
|  | 1  | NDN-AI DAUGHTERS | 1  | 7,400 3.7 274          |                     |                   |
|  | 1  | WITH HERD-MATES  | 1  | 7,400 3.7 274          | 12 7,820 308        |                   |
|  |    |                  |    |                        | DIFF. 420- 34-      |                   |
| 146822 WATERLOO KING ARTHUR.....       |    |                  |    |                        |                     |                   |
| 10-27-52 2165380 113541                | 11 | AI DAUGHTERS-08  | 22 | 7,847 3.7 293          |                     |                   |
| AI STUD, 11-01                         | 10 | WITH HERD-MATES  | 21 | 7,793 3.7 286          | 3 8,607 321         | 8,241 314         |
| STATES- 11,12,13                       |    |                  |    |                        | DIFF. 814- 35-      |                   |
| 153287 WIEMKEN-S SIR CHARLIE.....      |    |                  |    |                        |                     |                   |
| 08-24-52 85311 34093                   | 7  | AI DAUGHTERS-05  | 10 | 9,299 3.9 365          |                     |                   |
| AI STUD, 35-05                         | 5  | WITH HERD-MATES  | 8  | 8,500 3.8 327          | 15 8,884 332        | 8,504 329         |
| STATES- 31,33,35,41                    |    |                  |    |                        | DIFF. 384- 5-       |                   |
|  | 7  | NDN-AI DAUGHTERS | 15 | 8,480 3.8 318          |                     |                   |
|  | 7  | WITH HERD-MATES  | 15 | 8,480 3.8 318          | 8 8,701 331         |                   |
|  |    |                  |    |                        | DIFF. 221- 13-      |                   |
| 153672 FOXDALE WALGRDVE RDBIN.....     |    |                  |    |                        |                     |                   |
| 07-01-52 38714 52764                   | 12 | NDN-AI DAUGHTERS | 20 | 9,387 3.7 349          |                     |                   |
| LISTED, 08-63                          | 12 | WITH HERD-MATES  | 20 | 9,387 3.7 349          | 8 9,548 365         |                   |
| STATES- 35,42,73                       |    |                  |    |                        | DIFF. 161- 16-      |                   |
| 156327 .....                           |    |                  |    |                        |                     |                   |
|  | 6  | AI DAUGHTERS-05  | 9  | 11,570 3.9 452         |                     |                   |
| AI STUD, 43-02                         | 5  | WITH HERD-MATES  | 8  | 11,472 3.9 448         | 8 9,589 369         | 9,181 354         |
| STATES- 32,43,48,84                    |    |                  |    |                        | DIFF. 1883 79       |                   |
|  | 3  | NDN-AI DAUGHTERS | 6  | 8,956 4.3 382          |                     |                   |
|  | 2  | WITH HERD-MATES  | 5  | 8,974 4.3 390          | 5 8,542 354         |                   |
|  |    |                  |    |                        | DIFF. 432 36        |                   |
| 163287 .....                           |    |                  |    |                        |                     |                   |
|  | 6  | AI DAUGHTERS-04  | 7  | 8,115 4.1 333          |                     |                   |
| AI STUD, 31-01                         | 5  | WITH HERD-MATES  | 5  | 7,676 4.1 316          | 5 9,140 358         | 8,198 319         |
| STATES- 12,31                          |    |                  |    |                        | DIFF. 1464- 42-     |                   |
|  | 5  | NDN-AI DAUGHTERS | 7  | 8,057 4.0 325          |                     |                   |
|  | 5  | WITH HERD-MATES  | 7  | 8,057 4.0 325          | 4 8,328 325         |                   |
|  |    |                  |    |                        | DIFF. 271-          |                   |
| 168495 NDDAK WILD EYES.....            |    |                  |    |                        |                     |                   |
| 06-07-53 120361 70729                  | 3  | AI DAUGHTERS-02  |    |                        |                     |                   |
| AI STUD, 41-01 LISTED, 05-64           | 3  | WITH HERD-MATES  |    |                        |                     |                   |
| STATES- 41,45                          |    |                  |    |                        |                     |                   |
|  | 17 | NDN-AI DAUGHTERS | 42 | 9,103 3.6 324          |                     |                   |
|  | 17 | WITH HERD-MATES  | 42 | 9,103 3.6 324          | 7 9,551 361         |                   |
|  |    |                  |    |                        | DIFF. 448- 37-      |                   |
| 174687 GRASSY LANE GOLDBAR.....        |    |                  |    |                        |                     |                   |
| 09-17-53 112761 22064                  | 4  | AI DAUGHTERS-02  |    |                        |                     |                   |
| AI STUD, 42-02 LISTED, 05-64           | 2  | WITH HERD-MATES  |    |                        |                     |                   |
| STATES- 42,73                          |    |                  |    |                        |                     |                   |
|  | 2  | NDN-AI DAUGHTERS | 7  | 8,637 3.9 334          |                     |                   |
|  | 2  | WITH HERD-MATES  | 7  | 8,637 3.9 334          | 13 7,844 304        |                   |
|  |    |                  |    |                        | DIFF. 793 30        |                   |
| 176159 BARRINGTON FIRELIGHT.....       |    |                  |    |                        |                     |                   |
| 11-06-53 2165380 18013                 | 15 | NDN-AI DAUGHTERS | 44 | 8,358 3.5 289          |                     |                   |
| AI STUD, 34-01 LISTED, 05-64           | 15 | WITH HERD-MATES  | 44 | 8,358 3.5 289          | 6 8,356 298         |                   |
| STATES- 34                             |    |                  |    |                        | DIFF. 2 9-          |                   |
| 178981 SALDNA PROTECTDR.....           |    |                  |    |                        |                     |                   |
| 09-07-53 8385 30358                    | 2  | AI DAUGHTERS-02  |    |                        |                     |                   |
| AI STUD, 41-04                         | 1  | WITH HERD-MATES  |    |                        |                     |                   |
| STATES- 23,35,41,42,51                 |    |                  |    |                        |                     |                   |
|  | 6  | NDN-AI DAUGHTERS | 13 | 7,607 4.0 304          |                     |                   |
|  | 6  | WITH HERD-MATES  | 13 | 7,607 4.0 304          | 14 8,463 333        |                   |
|  |    |                  |    |                        | DIFF. 856- 29-      |                   |
| 183253 FREKEBA GIFT DANIEL.....        |    |                  |    |                        |                     |                   |
| 01-24-54 55162 131733                  | 9  | NDN-AI DAUGHTERS | 10 | 8,284 3.5 290          |                     |                   |
| LISTED, 03-64                          | 9  | WITH HERD-MATES  | 10 | 8,284 3.5 290          | 17 8,397 294        |                   |
| STATES- 73                             |    |                  |    |                        | DIFF. 113- 4-       |                   |
| 183510 EAGLES EYE SKYLIGHT.....        |    |                  |    |                        |                     |                   |
| 04-13-53 70917 60125                   | 3  | AI DAUGHTERS-03  |    |                        |                     |                   |
| AI STUD, 11-01 LISTED, 05-64           | 3  | WITH HERD-MATES  |    |                        |                     |                   |
| STATES- 11,12                          |    |                  |    |                        |                     |                   |
|  | 13 | NDN-AI DAUGHTERS | 24 | 9,752 3.7 360          |                     |                   |
|  | 12 | WITH HERD-MATES  | 18 | 9,841 3.7 363          | 7 8,724 328         |                   |
|  |    |                  |    |                        | DIFF. 1117 35       |                   |
| 184193 .....                           |    |                  |    |                        |                     |                   |
|  | 12 | NDN-AI DAUGHTERS | 28 | 7,825 3.6 285          |                     |                   |
| STATES- 73                             | 11 | WITH HERD-MATES  | 27 | 8,132 3.6 294          | 6 8,646 324         |                   |
|  |    |                  |    |                        | DIFF. 514- 30-      |                   |
| 184928 NDRTHVIEW MATCHLESS TOPPER..... |    |                  |    |                        |                     |                   |
| 01-03-54 56042 73344                   | 7  | AI DAUGHTERS-05  | 9  | 9,738 4.1 397          |                     |                   |
| AI STUD, 91-01 LISTED, 05-64           | 5  | WITH HERD-MATES  | 6  | 9,283 3.9 366          | 3 9,077 342         | 8,680 337         |
| STATES- 91,92                          |    |                  |    |                        | DIFF. 206 24        |                   |

## SIRE OF OHIA DAUGHTERS

| M. SHORTHORN              |                               |    |                  | AV. RECORDS | PRODUCTION OF MILK L8 | TEST % | DAU. FAT L8 | AOJ. AV. NUMBER | HERD-MATES MILK L8 | AV. FAT L8 | PREDICTED AV. MILK L8 | AV. FAT L8 |
|---------------------------|-------------------------------|----|------------------|-------------|-----------------------|--------|-------------|-----------------|--------------------|------------|-----------------------|------------|
| 190014                    | DDAN-S ROYAL KNIGHT.....      |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 05-29-54                  | 22359 2353343                 | 4  | AI DAUGHTERS-02  |             |                       |        |             |                 |                    |            |                       |            |
| AI STUD, 34-01            | LISTED, 05-64                 | 4  | WITH HERD-MATES  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 32,34             |                               |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                           |                               | 16 | NON-AI DAUGHTERS | 37          | 9,453                 | 3.9    | 367         |                 |                    |            |                       |            |
|                           |                               | 15 | WITH HERD-MATES  | 35          | 9,433                 | 3.9    | 366         | 4               | 9,695              | 359        |                       |            |
|                           |                               |    |                  |             |                       |        |             | DIFF.           | 262-               | 7          |                       |            |
| 195525                    | FLOYD CREST DAIRYMASTER.....  |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 09-29-54                  | 128075 126961                 | 15 | NON-AI DAUGHTERS | 28          | 10,079                | 3.9    | 391         |                 |                    |            |                       |            |
| AI STUD, 35-75            | LISTED, 03-64                 | 13 | WITH HERD-MATES  | 26          | 10,299                | 3.9    | 400         | 8               | 8,987              | 350        |                       |            |
| STATES- 42                |                               |    |                  |             |                       |        |             | DIFF.           | 1312               | 50         |                       |            |
| 203338                    | SIGNET-S EMBLEM.....          |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 11-12-54                  | 70250 138977                  | 27 | NON-AI DAUGHTERS | 37          | 7,980                 | 3.9    | 310         |                 |                    |            |                       |            |
|                           | LISTED, 08-63                 | 27 | WITH HERD-MATES  | 36          | 7,949                 | 3.9    | 309         | 6               | 8,642              | 329        |                       |            |
| STATES- 42                |                               |    |                  |             |                       |        |             | DIFF.           | 693-               | 20-        |                       |            |
| 203661                    | WILLO LANE DAIRYMAN.....      |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 02-05-55                  | 133185 2247564                | 24 | NON-AI DAUGHTERS | 52          | 10,527                | 3.7    | 392         |                 |                    |            |                       |            |
| AI STUD, 35-75            | LISTED, 05-64                 | 23 | WITH HERD-MATES  | 51          | 10,620                | 3.7    | 395         | 5               | 10,433             | 392        |                       |            |
| STATES- 41                |                               |    |                  |             |                       |        |             | DIFF.           | 187                | 3          |                       |            |
| 210413                    | FREKEBA MAJESTY EDWARD.....   |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 03-19-55                  | 32926 86555                   | 13 | NON-AI DAUGHTERS | 15          | 8,955                 | 3.5    | 310         |                 |                    |            |                       |            |
|                           | LISTED, 03-64                 | 13 | WITH HERD-MATES  | 15          | 8,955                 | 3.5    | 310         | 16              | 8,730              | 301        |                       |            |
| STATES- 48,73             |                               |    |                  |             |                       |        |             | DIFF.           | 225                | 9          |                       |            |
| 211667                    | CLAYSIDE EARL CLAY.....       |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 02-26-55                  | 19363 93444                   | 11 | NON-AI DAUGHTERS | 14          | 9,888                 | 3.4    | 341         |                 |                    |            |                       |            |
| AI STUD, 43-02            | LISTED, 03-64                 | 11 | WITH HERD-MATES  | 14          | 9,888                 | 3.4    | 341         | 11              | 9,763              | 348        |                       |            |
| STATES- 73                |                               |    |                  |             |                       |        |             | DIFF.           | 125                | 7-         |                       |            |
| 213007                    | DIAMOND A. MODEL TRIX.....    |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 03-23-55                  | 107034 41860                  | 8  | NON-AI DAUGHTERS | 14          | 7,020                 | 3.7    | 263         |                 |                    |            |                       |            |
|                           | LISTED, 08-63                 | 5  | WITH HERD-MATES  | 7           | 6,883                 | 3.7    | 254         | 1               | 8,853              | 313        |                       |            |
| STATES- 84                |                               |    |                  |             |                       |        |             | DIFF.           | 1970-              | 59-        |                       |            |
| 216026                    | .....                         |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                           |                               | 3  | AI DAUGHTERS-03  |             |                       |        |             |                 |                    |            |                       |            |
| AI STUD, 41-25            |                               | 3  | WITH HERD-MATES  |             |                       |        |             |                 |                    |            |                       |            |
| STATES- 23,35,41,43       |                               |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                           |                               | 2  | NON-AI DAUGHTERS | 3           | 9,355                 | 3.8    | 353         |                 |                    |            |                       |            |
|                           |                               | 2  | WITH HERD-MATES  | 3           | 9,355                 | 3.8    | 353         | 11              | 9,870              | 378        |                       |            |
|                           |                               |    |                  |             |                       |        |             | DIFF.           | 515-               | 25-        |                       |            |
| 218009                    | .....                         |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                           |                               | 5  | NON-AI DAUGHTERS | 6           | 11,366                | 3.6    | 406         |                 |                    |            |                       |            |
| STATES- 23                |                               | 5  | WITH HERD-MATES  | 6           | 11,366                | 3.6    | 406         | 10              | 11,526             | 418        |                       |            |
|                           |                               |    |                  |             |                       |        |             | DIFF.           | 160-               | 12-        |                       |            |
| 219238                    | LILYDALE OAGNEY RD8IN.....    |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 08-15-55                  | 38713 11633                   | 8  | NON-AI DAUGHTERS | 11          | 10,163                | 3.7    | 379         |                 |                    |            |                       |            |
|                           | LISTED, 03-64                 | 8  | WITH HERD-MATES  | 11          | 10,163                | 3.7    | 379         | 10              | 9,658              | 370        |                       |            |
| STATES- 43,47             |                               |    |                  |             |                       |        |             | DIFF.           | 505                | 9          |                       |            |
| 222240                    | .....                         |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                           |                               | 9  | NON-AI DAUGHTERS | 13          | 9,554                 | 4.0    | 379         |                 |                    |            |                       |            |
| STATES- 92                |                               | 9  | WITH HERD-MATES  | 13          | 9,554                 | 4.0    | 379         | 5               | 9,926              | 379        |                       |            |
|                           |                               |    |                  |             |                       |        |             | DIFF.           | 372-               |            |                       |            |
| 222385                    | BARRINGTON PROGRESS.....      |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 03-11-56                  | 2165380 113539                | 19 | NON-AI DAUGHTERS | 34          | 8,690                 | 3.8    | 330         |                 |                    |            |                       |            |
| AI STUD, 41-25            | LISTED, 05-64                 | 19 | WITH HERD-MATES  | 34          | 8,690                 | 3.8    | 330         | 10              | 9,358              | 363        |                       |            |
| STATES- 35,41             |                               |    |                  |             |                       |        |             | DIFF.           | 668-               | 33-        |                       |            |
| 223420                    | MEADOWBROOK RED ROYAL 30..... |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 04-16-55                  | 47904 2349740                 | 19 | NON-AI DAUGHTERS | 28          | 7,308                 | 3.6    | 265         |                 |                    |            |                       |            |
|                           | LISTED, 01-63                 | 18 | WITH HERD-MATES  | 27          | 7,401                 | 3.6    | 267         | 5               | 8,152              | 295        |                       |            |
| STATES- 23                |                               |    |                  |             |                       |        |             | DIFF.           | 751-               | 28-        |                       |            |
| 224538                    | DEERE MILK MAN.....           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 01-26-56                  | 147717 252416                 | 25 | NON-AI DAUGHTERS | 36          | 8,201                 | 3.7    | 301         |                 |                    |            |                       |            |
|                           | LISTED, 03-64                 | 25 | WITH HERD-MATES  | 36          | 8,201                 | 3.7    | 301         | 5               | 8,318              | 307        |                       |            |
| STATES- 84                |                               |    |                  |             |                       |        |             | DIFF.           | 117-               | 6-         |                       |            |
| 225278                    | .....                         |    |                  |             |                       |        |             |                 |                    |            |                       |            |
|                           |                               | 9  | NON-AI DAUGHTERS | 11          | 9,916                 | 4.0    | 395         |                 |                    |            |                       |            |
| STATES- 23,32             |                               | 7  | WITH HERD-MATES  | 9           | 10,324                | 4.0    | 415         | 10              | 9,345              | 368        |                       |            |
|                           |                               |    |                  |             |                       |        |             | DIFF.           | 979                | 47         |                       |            |
| 226765                    | JUPITERS PALERMO PRIDE.....   |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 01-17-56                  | 178412 2098230                | 23 | NON-AI DAUGHTERS | 35          | 8,375                 | 4.0    | 333         |                 |                    |            |                       |            |
|                           | LISTED, 08-63                 | 23 | WITH HERD-MATES  | 35          | 8,375                 | 4.0    | 333         | 5               | 8,522              | 320        |                       |            |
| STATES- 35                |                               |    |                  |             |                       |        |             | DIFF.           | 147-               | 13         |                       |            |
| 228867                    | ERORA MAJESTY.....            |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 02-23-56                  | 121249 2450309                | 13 | NON-AI DAUGHTERS | 19          | 12,265                | 3.6    | 439         |                 |                    |            |                       |            |
|                           | LISTED, 11-63                 | 13 | WITH HERD-MATES  | 19          | 12,265                | 3.6    | 439         | 10              | 9,092              | 329        |                       |            |
| STATES- 47,48             |                               |    |                  |             |                       |        |             | DIFF.           | 3173               | 110        |                       |            |
| 230275                    | BORGS ROAN DUKE.....          |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 01-13-56                  | 71033 2324130                 | 13 | NON-AI DAUGHTERS | 17          | 9,250                 | 3.8    | 353         |                 |                    |            |                       |            |
|                           | LISTED, 08-63                 | 13 | WITH HERD-MATES  | 17          | 9,250                 | 3.8    | 353         | 18              | 8,687              | 324        |                       |            |
| STATES- 23,31,33,35,42,73 |                               |    |                  |             |                       |        |             | DIFF.           | 563                | 29         |                       |            |
| 234388                    | DUCHESS MASTER.....           |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 09-05-56                  | 75106 38600                   | 8  | NON-AI DAUGHTERS | 8           | 7,698                 | 4.1    | 314         |                 |                    |            |                       |            |
|                           | LISTED, 11-63                 | 8  | WITH HERD-MATES  | 8           | 7,698                 | 4.1    | 314         | 5               | 7,982              | 307        |                       |            |
| STATES- 31                |                               |    |                  |             |                       |        |             | DIFF.           | 284-               | 7          |                       |            |
| 235325                    | BLUE HILL RIO KNIGHT.....     |    |                  |             |                       |        |             |                 |                    |            |                       |            |
| 08-28-56                  | 103508 46208                  | 12 | NON-AI DAUGHTERS | 15          | 11,268                | 3.6    | 410         |                 |                    |            |                       |            |
|                           | LISTED, 03-64                 | 12 | WITH HERD-MATES  | 15          | 11,268                | 3.6    | 410         | 3               | 9,765              | 353        |                       |            |
| STATES- 73                |                               |    |                  |             |                       |        |             | DIFF.           | 1503               | 57         |                       |            |





## SIRES OF DHIA DAUGHTERS

M. SHORTHORN

|            |       |                    | AV. RECORDS | PRODUCTION MILK LB | DF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|------------|-------|--------------------|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 257376     | ..... |                    |             |                    |           |             |                 |                    |            |                       |        |
| STATES- 42 |       | 5 NON-AI DAUGHTERS | 5           | 10,292             | 3.8       | 390         |                 |                    |            |                       |        |
|            |       | 5 WITH HERD-MATES  | 5           | 10,292             | 3.8       | 390         | 10<br>DIFF.     | 10,201<br>91       | 401<br>11- |                       |        |
| 257377     | ..... |                    |             |                    |           |             |                 |                    |            |                       |        |
| STATES- 42 |       | 5 NON-AI DAUGHTERS | 6           | 7,632              | 4.2       | 320         |                 |                    |            |                       |        |
|            |       | 5 WITH HERD-MATES  | 6           | 7,632              | 4.2       | 320         | 5<br>DIFF.      | 8,293<br>661-      | 331<br>11- |                       |        |
| 258902     | ..... |                    |             |                    |           |             |                 |                    |            |                       |        |
| STATES- 91 |       | 5 NON-AI DAUGHTERS | 5           | 7,000              | 4.2       | 297         |                 |                    |            |                       |        |
| 263491     | ..... |                    |             |                    |           |             |                 |                    |            |                       |        |
| STATES- 73 |       | 5 NON-AI DAUGHTERS | 5           | 7,170              | 4.2       | 298         |                 |                    |            |                       |        |
|            |       | 5 WITH HERD-MATES  | 5           | 7,170              | 4.2       | 298         | 9<br>DIFF.      | 8,104<br>934-      | 297<br>1   |                       |        |
| 268485     | ..... |                    |             |                    |           |             |                 |                    |            |                       |        |
| STATES- 42 |       | 5 NON-AI DAUGHTERS | 5           | 7,386              | 4.0       | 292         |                 |                    |            |                       |        |
|            |       | 5 WITH HERD-MATES  | 5           | 7,386              | 4.0       | 292         | 5<br>DIFF.      | 8,619<br>1233-     | 335<br>43- |                       |        |
| 283439     | ..... |                    |             |                    |           |             |                 |                    |            |                       |        |
| STATES- 42 |       | 6 NON-AI DAUGHTERS | 6           | 9,432              | 3.8       | 360         |                 |                    |            |                       |        |
|            |       | 6 WITH HERD-MATES  | 6           | 9,432              | 3.8       | 360         | 8<br>DIFF.      | 7,819<br>1613      | 291<br>69  |                       |        |

## SIRES OF OHIA DAUGHTERS

RED DANE

|                |                         |                    | AV. RECORDS | PRODUCTION MILK LB | DF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|----------------|-------------------------|--------------------|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 209            | TETRA PAK 597 JANE..... |                    |             |                    |           |             |                 |                    |            |                       |        |
| 11-24-57       | 010024798               | 2                  | 8           | 11,278             | 3.8       | 426         |                 |                    |            |                       |        |
| AI STUO, 34-01 | LISTED, 05-64           | 6                  | 6           | 11,225             | 3.8       | 422         | 6<br>DIFF.      | 11,495<br>270-     | 427<br>5-  | 9,190                 | 366    |
| STATES- 21,34  |                         |                    |             |                    |           |             |                 |                    |            |                       |        |
|                |                         | 2 NON-AI DAUGHTERS | 3           | 8,585              | 3.9       | 334         |                 |                    |            |                       |        |
|                |                         | 2 WITH HERD-MATES  | 3           | 8,585              | 3.9       | 334         | 5<br>DIFF.      | 9,969<br>1384-     | 385<br>51- |                       |        |
| 210            | TETRA PAK 619 HOJA..... |                    |             |                    |           |             |                 |                    |            |                       |        |
| 01-16-58       | 010026148               | 13                 | 8           | 12,359             | 3.9       | 486         |                 |                    |            |                       |        |
| AI STUO, 34-01 | LISTED, 05-64           | 8                  | 8           | 12,359             | 3.9       | 486         | 5<br>DIFF.      | 11,418<br>941      | 449<br>37  | 9,669                 | 384    |
| STATES- 34     |                         |                    |             |                    |           |             |                 |                    |            |                       |        |
|                |                         | 2 NON-AI DAUGHTERS | 3           | 10,913             | 4.4       | 483         |                 |                    |            |                       |        |
|                |                         | 2 WITH HERD-MATES  | 3           | 10,913             | 4.4       | 483         | 4<br>DIFF.      | 11,495<br>582-     | 420<br>63  |                       |        |
| 96XAA0163      | .....                   |                    |             |                    |           |             |                 |                    |            |                       |        |
| STATES- 96     |                         | 6 NON-AI DAUGHTERS | 6           | 10,538             | 3.9       | 416         |                 |                    |            |                       |        |
|                |                         | 1 WITH HERD-MATES  | 1           | 13,300             | 3.8       | 511         | 1<br>DIFF.      | 10,207<br>3093     | 393<br>118 |                       |        |

## SIRES OF DHIA DAUGHTERS

MIXED

|            |               |                    | AV. RECORDS | PRODUCTION MILK LB | DF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|------------|---------------|--------------------|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 990000934  | .....         |                    |             |                    |           |             |                 |                    |            |                       |        |
| 01-27-46   | 990000318     | 11                 | 17          | 11,247             | 4.1       | 457         |                 |                    |            |                       |        |
|            | LISTED, 08-62 | 8                  | 10          | 11,665             | 4.0       | 468         | 6<br>DIFF.      | 11,150<br>515      | 450<br>18  |                       |        |
| STATES- 21 |               |                    |             |                    |           |             |                 |                    |            |                       |        |
| 990001970  | .....         |                    |             |                    |           |             |                 |                    |            |                       |        |
| STATES- 32 |               | 5 NON-AI DAUGHTERS | 6           | 12,582             | 4.2       | 534         |                 |                    |            |                       |        |
|            |               | 5 WITH HERD-MATES  | 6           | 12,582             | 4.2       | 534         | 8<br>DIFF.      | 11,291<br>1291     | 482<br>52  |                       |        |

## SIRES OF DHIA DAUGHTERS

RED POLL

|                     |       |                    | AV. RECORDS | PRODUCTION MILK LB | DF TEST % | DAU. FAT LB | ADJ. AV. NUMBER | HERD-MATES MILK LB | AV. FAT LB | PREDICTED AV. MILK LB | FAT LB |
|---------------------|-------|--------------------|-------------|--------------------|-----------|-------------|-----------------|--------------------|------------|-----------------------|--------|
| 80894               | ..... |                    |             |                    |           |             |                 |                    |            |                       |        |
| STATES- 33,42,45,46 |       | 5 NON-AI DAUGHTERS | 8           | 6,573              | 4.4       | 289         |                 |                    |            |                       |        |
|                     |       | 5 WITH HERD-MATES  | 8           | 6,573              | 4.4       | 289         | 5<br>DIFF.      | 6,841<br>268-      | 288<br>1   |                       |        |

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APPENDIX

TABLE 1.--SUMMARY OF RECORDS OF Sires in Artificial-Breeding Service by Breed

| Breed                    | AI Sires<br>Number | Average Production |                       |                |                       |                |                       | Predicted Average |           |
|--------------------------|--------------------|--------------------|-----------------------|----------------|-----------------------|----------------|-----------------------|-------------------|-----------|
|                          |                    | Daughters          |                       | Herd           |                       | Mates          |                       | Milk              | Butterfat |
|                          |                    | Milk<br>Pounds     | Butterfat<br>% Pounds | Milk<br>Pounds | Butterfat<br>% Pounds | Milk<br>Pounds | Butterfat<br>% Pounds | Pounds            | Pounds    |
| AYRSHIRE-----            | 43                 | 10,588             | 4.1 431               | 10,291         | 4.1 418               |                |                       | 9,907             | 403       |
| GUERNSEY-----            | 242                | 8,849              | 4.8 423               | 8,929          | 4.8 426               |                |                       | 8,506             | 412       |
| HOLSTEIN-----            | 644                | 13,024             | 3.7 480               | 13,223         | 3.7 484               |                |                       | 12,454            | 457       |
| JERSEY-----              | 171                | 8,232              | 5.2 427               | 8,378          | 5.2 433               |                |                       | 8,058             | 417       |
| BROWN SWISS---           | 67                 | 11,333             | 4.1 467               | 11,244         | 4.1 460               |                |                       | 10,985            | 452       |
| SHORTHORN-----           | 23                 | 9,009              | 3.8 342               | 9,027          | 3.8 341               |                |                       | 8,615             | 331       |
| RED DANE-----            | 2                  | 11,792             | 3.9 454               | 11,457         | 3.8 438               |                |                       | 9,430             | 375       |
| TOTAL OR<br>AVERAGE----- | 1,192              | 11,227             | 4.1 456               | 11,355         | 4.0 458               |                |                       |                   |           |

TABLE 2.--Average Production of Milk and Butterfat of Daughters of Sires in Artificial-Breeding Service, Grouped According to Milk Production Range of the Predicted Average

| AYRSHIRE  |                 |  |                                   |   |                    |                       |  |                |                       |  |  |  |
|---|-----------------|--|-----------------------------------|---|--------------------|-----------------------|--|----------------|-----------------------|--|--|--|
| PREDICTED<br>AVERAGE<br>MILK<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |  |                |                       |  | PREDICTED AVERAGE<br>MILK BUTTERFAT<br>POUNDS POUNDS |  |
|   |                 |  |                                   |   | DAUGHTERS          |                       |  | HERD MATES     |                       |  |  |  |
|   |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS |  | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |  |  |  |
| 8500 - 9499---                                  | 7               |  | 7                                 | 263                                       | 9,847              | 4.1 399               |  | 10,480         | 4.0 422               |  | 9,325 380  |  |
| 9500 -10499---                                  | 33              | 22   | 11                                | 2,983                                     | 10,618             | 4.1 432               |  | 10,208         | 4.1 416               |  | 9,934 404  |  |
| 10500-11499---                                  | 3               | 3  |                                   | 506                                       | 11,989             | 4.1 489               |  | 10,765         | 4.0 436               |  | 10,959 448   |  |
| TOTAL OR<br>AVERAGE-----                        | 43              | 25   | 18                                | 3,752                                     | 10,588             | 4.1 431               |  | 10,291         | 4.1 418               |  |  |  |

TABLE 3.--Average Production of Milk and Butterfat of Daughters of Sires in Artificial-Breeding Service, Grouped According to Butterfat Production Range of the Predicted Average

| AYRSHIRE   |                 |  |                                   |   |                    |                       |      |                |                       |  |                                     |                     |
|--|-----------------|--|-----------------------------------|---|--------------------|-----------------------|------|----------------|-----------------------|--|-------------------------------------|---------------------|
| PREDICTED<br>AVERAGE<br>BUTTERFAT<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |      |                |                       |  | PREDICTED AVERAGE<br>MILK<br>POUNDS | BUTTERFAT<br>POUNDS |
|  |                 |  |                                   |   | DAUGHTERS          |                       | HERD |                | MATES                 |  |                                     |                     |
|  |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS |      | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |  |                                     |                     |
| 350 - 374-----                                       | 2               |  | 2                                 | 47  | 9,525              | 3.8 363               |      | 10,112         | 4.1 412               |  | 9,396 369                           |                     |
| 375 - 399-----                                       | 17              |  | 17                                | 756                                       | 9,807              | 4.0 395               |      | 10,213         | 4.0 414               |  | 9,538 386                           |                     |
| 400 - 424-----                                       | 17              | 17   |                                   | 2,062                                     | 11,217             | 4.1 457               |      | 10,323         | 4.1 419               |  | 10,080 408                          |                     |
| 425 - 449-----                                       | 6               | 6  |                                   | 625                                       | 11,039             | 4.2 469               |      | 10,384         | 4.1 427               |  | 10,368 434                          |                     |
| 450 - 474-----                                       | 1               | 1  |                                   | 262                                       | 12,602             | 4.1 515               |      | 10,883         | 4.0 437               |  | 11,474 473                          |                     |
| TOTAL OR<br>AVERAGE-----                             | 43              | 24   | 19                                | 3,752                                     | 10,588             | 4.1 431               |      | 10,291         | 4.1 418               |  |                                     |                     |

TABLE 4.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO MILK PRODUCTION RANGE OF THE PREDICTED AVERAGE

| GUERNSEY  |                 |  |                                   |   |                    |                       |                |                       |                             |                                |
|---|-----------------|--|-----------------------------------|---|--------------------|-----------------------|----------------|-----------------------|-----------------------------|--------------------------------|
| PREDICTED<br>AVERAGE<br>MILK<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |                |                       |                             |                                |
|   |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES     |                       | PREDICTED<br>MILK<br>POUNDS | AVERAGE<br>BUTTERFAT<br>POUNDS |
|   |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |                             |                                |
| 7500 - 8499----                                 | 91              |  | 91                                | 7,437                                     | 8,127              | 4.8 392               | 8,855          | 4.8 421               | 8,256                       | 398                            |
| 8500 - 9499----                                 | 149             | 109  | 40                                | 11,744                                    | 9,267              | 4.8 441               | 8,970          | 4.8 429               | 8,803                       | 420                            |
| 9500 -10499----                                 | 2               | 2  |                                   | 320                                       | 10,536             | 4.6 480               | 9,224          | 4.8 443               | 9,871                       | 449                            |
| TOTAL OR<br>AVERAGE-----                        | 242             | 111  | 131                               | 19,501                                    | 8,849              | 4.8 423               | 8,929          | 4.8 426               |                             |                                |

TABLE 5.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO BUTTERFAT PRODUCTION RANGE OF THE PREDICTED AVERAGE

| GUERNSEY   |                 |  |                                   |   |                    |                       |                |                       |                             |                                |
|--|-----------------|--|-----------------------------------|---|--------------------|-----------------------|----------------|-----------------------|-----------------------------|--------------------------------|
| PREDICTED<br>AVERAGE<br>BUTTERFAT<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |                |                       |                             |                                |
|  |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES     |                       | PREDICTED<br>MILK<br>POUNDS | AVERAGE<br>BUTTERFAT<br>POUNDS |
|  |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |                             |                                |
| 350 - 374-----                                       | 1               |  | 1                                 | 21  | 7,455              | 4.5 338               | 8,462          | 4.8 409               | 7,965                       | 366                            |
| 375 - 399-----                                       | 54              |  | 54                                | 3,122                                     | 8,003              | 4.7 377               | 8,786          | 4.8 420               | 8,228                       | 390                            |
| 400 - 424-----                                       | 142             | 78   | 64                                | 10,481                                    | 8,867              | 4.8 424               | 8,920          | 4.8 424               | 8,603                       | 412                            |
| 425 - 449-----                                       | 39              | 39   |                                   | 4,669                                     | 9,761              | 4.8 471               | 9,121          | 4.8 439               | 9,028                       | 433                            |
| 450 - 474-----                                       | 6               | 6  |                                   | 1,208                                     | 10,321             | 5.0 512               | 9,269          | 4.8 445               | 9,443                       | 460                            |
| TOTAL OR<br>AVERAGE-----                             | 242             | 123  | 119                               | 19,501                                    | 8,849              | 4.8 423               | 8,929          | 4.8 426               |                             |                                |

TABLE 6.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO MILK PRODUCTION RANGE OF THE PREDICTED AVERAGE

| HOLSTEIN  |                 |  |                                   |   |                    |                       |                |                       |                             |                                |
|---|-----------------|--|-----------------------------------|---|--------------------|-----------------------|----------------|-----------------------|-----------------------------|--------------------------------|
| PREDICTED<br>AVERAGE<br>MILK<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |                |                       |                             |                                |
|   |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES     |                       | PREDICTED<br>MILK<br>POUNDS | AVERAGE<br>BUTTERFAT<br>POUNDS |
|   |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |                             |                                |
| 10500-11499----                                 | 18              |  | 18                                | 4,040                                     | 11,314             | 3.8 429               | 13,062         | 3.7 482               | 11,233                      | 419                            |
| 11500-12499----                                 | 324             | 5  | 319                               | 57,445                                    | 12,428             | 3.7 462               | 13,161         | 3.7 482               | 12,114                      | 447                            |
| 12500-13499----                                 | 283             | 262  | 21                                | 89,308                                    | 13,689             | 3.7 501               | 13,280         | 3.7 486               | 12,840                      | 469                            |
| 13500-14499----                                 | 19              | 19   |                                   | 13,796                                    | 14,907             | 3.5 529               | 13,599         | 3.6 496               | 13,655                      | 487                            |
| TOTAL OR<br>AVERAGE-----                        | 644             | 286  | 358                               | 164,589                                   | 13,024             | 3.7 480               | 13,223         | 3.7 484               |                             |                                |

TABLE 7.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO BUTTERFAT PRODUCTION RANGE OF THE PREDICTED AVERAGE

| HOLSTEIN   |                 |  |                                   |   |                    |                       |                |                       |                             |                                |
|--|-----------------|--|-----------------------------------|---|--------------------|-----------------------|----------------|-----------------------|-----------------------------|--------------------------------|
| PREDICTED<br>AVERAGE<br>BUTTERFAT<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |                |                       |                             |                                |
|  |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES     |                       | PREDICTED<br>MILK<br>POUNDS | AVERAGE<br>BUTTERFAT<br>POUNDS |
|  |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |                             |                                |
| 400 - 424-----                                       | 32              |  | 32                                | 5,194                                     | 11,529             | 3.6 420               | 13,039         | 3.7 485               | 11,526                      | 416                            |
| 425 - 449-----                                       | 191             |  | 191                               | 32,620                                    | 12,345             | 3.6 450               | 13,143         | 3.7 481               | 12,103                      | 440                            |
| 450 - 474-----                                       | 303             | 192  | 111                               | 69,838                                    | 13,241             | 3.7 488               | 13,232         | 3.7 484               | 12,547                      | 461                            |
| 475 - 499-----                                       | 111             | 111  |                                   | 53,015                                    | 13,953             | 3.7 521               | 13,375         | 3.7 490               | 13,020                      | 484                            |
| 500 - 524-----                                       | 7               | 7  |                                   | 3,922                                     | 14,254             | 3.9 552               | 13,482         | 3.7 498               | 13,286                      | 508                            |
| TOTAL OR<br>AVERAGE-----                             | 644             | 310  | 334                               | 164,589                                   | 13,024             | 3.7 480               | 13,223         | 3.7 484               |                             |                                |



TABLE 8.—AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO MILK PRODUCTION RANGE OF THE PREDICTED AVERAGE

| JERSEY  |                 |  |                                   |   |                    |                       |                |                       |       |     |  |
|---|-----------------|--|-----------------------------------|---|--------------------|-----------------------|----------------|-----------------------|-------|-----|--|
| PREDICTED<br>AVERAGE<br>MILK<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |                |                       |       |     | PREDICTED AVERAGE<br>MILK BUTTERFAT<br>POUNDS POUNDS |
|   |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES     |                       |       |     |  |
|   |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |       |     |  |
| 6500 - 7499----                                 | 16              |  | 16                                | 687                                       | 7,294              | 5.3 387               | 8,325          | 5.2 430               | 7,393 | 389 |  |
| 7500 - 8499----                                 | 133             | 53   | 80                                | 8,590                                     | 8,142              | 5.2 423               | 8,338          | 5.2 431               | 8,024 | 416 |  |
| 8500 - 9499----                                 | 22              | 22   |                                   | 2,743                                     | 9,463              | 5.1 483               | 8,659          | 5.2 450               | 8,749 | 444 |  |
| TOTAL OR<br>AVERAGE-----                        | 171             | 75   | 96                                | 12,020                                    | 8,232              | 5.2 427               | 8,378          | 5.2 433               |       |     |  |

TABLE 9.—AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO BUTTERFAT PRODUCTION RANGE OF THE PREDICTED AVERAGE

| JERSEY   |                 |  |                                   |   |                    |                       |                |                       |       |     |  |
|--|-----------------|--|-----------------------------------|---|--------------------|-----------------------|----------------|-----------------------|-------|-----|--|
| PREDICTED<br>AVERAGE<br>BUTTERFAT<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |                |                       |       |     | PREDICTED AVERAGE<br>MILK BUTTERFAT<br>POUNDS POUNDS |
|  |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES     |                       |       |     |  |
|  |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |       |     |  |
| 350 - 374-----                                       | 1               |  | 1                                 | 14  | 6,677              | 5.3 351               | 8,604          | 5.2 448               | 7,073 | 366 |  |
| 375 - 399-----                                       | 24              |  | 24                                | 860                                       | 7,109              | 5.2 370               | 8,157          | 5.2 420               | 7,510 | 390 |  |
| 400 - 424-----                                       | 95              | 27   | 68                                | 5,559                                     | 8,085              | 5.2 418               | 8,347          | 5.2 431               | 7,988 | 412 |  |
| 425 - 449-----                                       | 43              | 43   |                                   | 4,500                                     | 9,007              | 5.2 467               | 8,519          | 5.2 442               | 8,420 | 434 |  |
| 450 - 474-----                                       | 8               | 8  |                                   | 1,087                                     | 9,376              | 5.4 502               | 8,619          | 5.2 449               | 8,723 | 460 |  |
| TOTAL OR<br>AVERAGE-----                             | 171             | 78   | 93                                | 12,020                                    | 8,232              | 5.2 427               | 8,378          | 5.2 433               |       |     |  |

TABLE 10.—AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO MILK PRODUCTION RANGE OF THE PREDICTED AVERAGE

| BROWN SWISS                                     |                 |  |                                   |   |                    |                       |                |                       |        |     |  |
|---|-----------------|--|-----------------------------------|---|--------------------|-----------------------|----------------|-----------------------|--------|-----|--|
| PREDICTED<br>AVERAGE<br>MILK<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |                |                       |        |     | PREDICTED AVERAGE<br>MILK BUTTERFAT<br>POUNDS POUNDS |
|   |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES     |                       |        |     |  |
|   |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |        |     |  |
| 9500 -10499---                                  | 14              |  | 14                                | 647                                       | 9,823              | 4.2 408               | 10,964         | 4.1 447               | 10,266 | 425 |  |
| 10500-11499---                                  | 41              | 22   | 19                                | 2,994                                     | 11,325             | 4.1 467               | 11,275         | 4.1 461               | 10,935 | 450 |  |
| 11500-12499---                                  | 11              | 11   |                                   | 587                                       | 13,105             | 4.1 536               | 11,463         | 4.1 472               | 11,944 | 487 |  |
| 12500-13499---                                  | 1               | 1  |                                   | 71  | 13,357             | 4.1 544               | 11,470         | 4.1 474               | 12,573 | 509 |  |
| TOTAL OR<br>AVERAGE-----                        | 67              | 34   | 33                                | 4,299                                     | 11,333             | 4.1 467               | 11,244         | 4.1 460               |        |     |  |

TABLE 11.—AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO BUTTERFAT PRODUCTION RANGE OF THE PREDICTED AVERAGE

| BROWN SWISS  |                 |  |                                   |   |                    |                       |                |                       |        |     |  |
|--|-----------------|--|-----------------------------------|---|--------------------|-----------------------|----------------|-----------------------|--------|-----|--|
| PREDICTED<br>AVERAGE<br>BUTTERFAT<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |                |                       |        |     | PREDICTED AVERAGE<br>MILK BUTTERFAT<br>POUNDS POUNDS |
|  |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES     |                       |        |     |  |
|  |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |        |     |  |
| 400 - 424-----                                       | 7               |  | 7                                 | 463                                       | 9,863              | 4.1 400               | 11,063         | 4.1 452               | 10,195 | 415 |  |
| 425 - 449-----                                       | 25              | 3  | 22                                | 1,707                                     | 10,718             | 4.1 442               | 11,337         | 4.1 465               | 10,622 | 436 |  |
| 450 - 474-----                                       | 26              | 26   |                                   | 1,562                                     | 11,669             | 4.1 481               | 11,134         | 4.1 453               | 11,164 | 462 |  |
| 475 - 499-----                                       | 5               | 5  |                                   | 396                                       | 12,552             | 4.1 515               | 11,368         | 4.2 473               | 11,884 | 483 |  |
| 500 - 524-----                                       | 4               | 4  |                                   | 171                                       | 14,049             | 4.2 586               | 11,533         | 4.1 472               | 12,350 | 511 |  |
| TOTAL OR<br>AVERAGE-----                             | 67              | 38   | 29                                | 4,299                                     | 11,333             | 4.1 467               | 11,244         | 4.1 460               |        |     |  |

TABLE 12.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO MILK PRODUCTION RANGE OF THE PREDICTED AVERAGE

## SHORTHORN

| PREDICTED<br>AVERAGE<br>MILK<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |            |                |                       |     | PREDICTED AVERAGE |                     |
|---|-----------------|--|-----------------------------------|---|--------------------|-----------------------|------------|----------------|-----------------------|-----|-------------------|---------------------|
|   |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES |                |                       |     | MILK              | BUTTERFAT           |
|   |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS |            | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |     | MILK<br>POUNDS    | BUTTERFAT<br>POUNDS |
| 7500 - 8499----                                 | 8               |  | 8                                 | 62  | 8,109              | 3.8                   | 311        | 9,159          | 3.8                   | 344 | 8,296             | 320                 |
| 8500 - 9499----                                 | 15              | 10   | 5                                 | 106                                       | 9,489              | 3.8                   | 359        | 8,956          | 3.8                   | 339 | 8,785             | 337                 |
| TOTAL OR<br>AVERAGE-----                        | 23              | 10   | 13                                | 168                                       | 9,009              | 3.8                   | 342        | 9,027          | 3.8                   | 341 |                   |                     |

TABLE 13.--AVERAGE PRODUCTION OF MILK AND BUTTERFAT OF DAUGHTERS OF SIRES IN ARTIFICIAL-BREEDING SERVICE, GROUPED ACCORDING TO BUTTERFAT PRODUCTION RANGE OF THE PREDICTED AVERAGE

## SHORTHORN

| PREDICTED<br>AVERAGE<br>BUTTERFAT<br>RANGE<br>POUNDS | SIRES<br>NUMBER | MAINTAINED<br>OR INCREASED<br>PRODUCTION<br>NUMBER | DECREASED<br>PRODUCTION<br>NUMBER | DAUGHTERS<br>WITH<br>HERD MATES<br>NUMBER | AVERAGE PRODUCTION |                       |            |                |                       |     | PREDICTED AVERAGE |                     |
|--|-----------------|--|-----------------------------------|---|--------------------|-----------------------|------------|----------------|-----------------------|-----|-------------------|---------------------|
|  |                 |  |                                   |   | DAUGHTERS          |                       | HERD MATES |                |                       |     | MILK              | BUTTERFAT           |
|  |                 |  |                                   |   | MILK<br>POUNDS     | BUTTERFAT<br>% POUNDS |            | MILK<br>POUNDS | BUTTERFAT<br>% POUNDS |     | MILK<br>POUNDS    | BUTTERFAT<br>POUNDS |
| 300 - 324-----                                       | 8               |  | 8                                 | 62  | 8,106              | 3.8                   | 305        | 9,077          | 3.8                   | 342 | 8,310             | 319                 |
| 325 - 349-----                                       | 13              | 9  | 4                                 | 86  | 9,314              | 3.8                   | 354        | 8,945          | 3.8                   | 339 | 8,728             | 335                 |
| 350 - 374-----                                       | 2               | 2  |                                   | 20  | 10,643             | 3.9                   | 418        | 9,350          | 3.8                   | 354 | 9,101             | 356                 |
| TOTAL OR<br>AVERAGE-----                             | 23              | 11   | 12                                | 168                                       | 9,009              | 3.8                   | 342        | 9,027          | 3.8                   | 341 |                   |                     |





